

Appendix K

Vehicle Miles Traveled Memorandum





MEMORANDUM

Date: August 17, 2015
To: Heidi Mekkelson, Eyestone Environmental
From: Tom Gaul and Spencer Reed, Fehr & Peers

Subject: Vehicle Miles Traveled Analysis for the Los Angeles Football Club Stadium Project

Ref: LA15-2734

This memorandum documents the assumptions, methodologies, and findings of an analysis conducted by Fehr & Peers to prepare vehicle miles traveled (VMT) estimates for the proposed Los Angeles Football Club (LAFC) Stadium (Project). The Project site is located at 3939 Figueroa Street within Exposition Park in Los Angeles, California, and is bounded by Figueroa Street to the east, Exposition Park Drive (Christmas Tree Lane) to the north, South Coliseum Drive (Hoover Street) to the west, and Exposition Park parking lot 6 to the south. The Project site encompasses approximately 15 acres and is currently occupied by the Los Angeles Sports Arena, surface parking, and a lawn area. The Project will consist of a professional soccer stadium, either a parking lot or practice fields, and associated ancillary uses including a conference facility, museum, team store, retail, restaurants, and office space.

Draft and final environmental impact reports (EIRs) were prepared for the Los Angeles Memorial Sports Arena Redevelopment Project, which included replacement of the Sports Arena with a new, approximately 22,000-seat soccer stadium, in November 2010 and January 2011, respectively (Original Stadium Project)^{1,2}. The Final EIR for the Los Angeles Memorial Sports Arena Development Project was certified by the Los Angeles Memorial Coliseum Commission in February 2011. This parking analysis was conducted as part of the environmental review of the modifications to the Original Stadium Project that are proposed under the proposed Project.

PROJECT DESCRIPTION

The Project would include the demolition of the existing Sports Arena building on the Project site and the construction of an approximately 22,000-seat stadium and approximately 119,000 gross square feet (gsf) of floor area containing the proposed associated ancillary uses. The stadium would be used for Major League Soccer (MLS) games, as well as other events such as concerts and community events. The ancillary uses would include:

- Up to approximately 35,000 gsf of conference facility and office space including no more than 25,000 gsf of office (with conference facility functions generating trips during the weekday AM

¹ Los Angeles Memorial Coliseum Commission, *Los Angeles Memorial Sports Arena Redevelopment Project, Draft Environmental Impact Report*, November 2010.

² Los Angeles Memorial Coliseum Commission, *Los Angeles Memorial Sports Arena Redevelopment Project, Final Environmental Impact Report*, January 2011.



peak hour limited to 261 attendees and conference facility functions generating trips during the weekday PM peak hour limited to 430 attendees),

- An approximately 40,000 gsf museum,
- Up to approximately 30,000 gsf of team store or other retail space (of which no more than 3,000 gsf could be located along the Figueroa Street frontage of the Project), and
- Up to approximately 14,000 gsf of restaurants including no more than 5,000 gsf of high-turnover sit-down restaurants and 3,000 gsf of fast food restaurants (of which no more than 1,500 gsf could be located along the Figueroa Street frontage of the Project).

The Project would also include either a surface parking lot with up to approximately 250 parking spaces or practice fields.

The museum, team store, other retail, and restaurants will not open for business until mid- to late-morning. Additional conference facility attendees beyond the limits described above could be provided by reducing the maximum office floor area from 25,000 gsf; for every 1,000 gsf of reduction in office space, the number of persons attending functions in the conference facility could be increased by 5.6 persons for conference facility functions generating trips during the weekday AM peak hour and by 3.0 persons for conference facility functions generating trips during the weekday PM peak hour.

Vehicle access to the Project site will be provided off of Figueroa Street via Exposition Park Drive (Christmas Tree Lane) and Martin Luther King, Jr. Boulevard. Truck access to the Project loading docks will be provided from South Coliseum Drive (Hoover Street). Parking for the Project will be provided by the parking supply available at Exposition Park.

VMT METHODOLOGY

Analysis Scenarios

Vehicle miles traveled estimates were prepared for the following three scenarios:

- Baseline – This scenario consists of historic operations at the Sports Arena as of the date of certification of the Los Angeles Memorial Sports Arena Redevelopment Project EIR in 2011.
- Business as Usual (BAU) – This scenario consists of the proposed project's land uses and program constructed independently and in a location with minimal proximity to transit. This scenario assumes a 5% transit credit³ and no credit for internalization of trips.

³ Avaya Stadium recently constructed for the San Jose Earthquakes Major League Soccer team in San Jose provides justification for this assumption. The EIR for that project assumed no use of public transit or walking trips. The general transit accessibility is modest as the stadium is separated from the nearby Caltrain station by train tracks and does not have direct pedestrian access. A local bus route connecting to the Caltrain station provides 30-minute headways and a separate bus route connecting to downtown San Jose operates at 15-minute headways. See City of San Jose, Airport West Stadium and Great Oaks Place Project, Draft Environmental Impact Report, September 2009



- **Project** – This scenario consists of the proposed Project constructed in its proposed location. Due to the proximity of the Project site to the Metro Exposition Light Rail Transit (LRT) line, the Metro Silver Line and other regional bus services on the Harbor Transitway, other Metro Rapid services, and a variety of local bus routes, this scenario assume a 15% transit credit (consistent with the Transportation Analysis Report⁴ as approved by the Los Angeles Department of Transportation for the Project's EIR Addendum).

Program of Events in Stadium

Information regarding historic events in the Sports Arena was obtained from the Los Angeles Memorial Sports Arena Redevelopment Project EIR. Information regarding the anticipated program of events in the stadium component of the Project was obtained from LAFC and Eystone Environmental. Table 1 presents this information.

VMT Methodology

Vehicle miles traveled were estimated for each scenario as follows:

- Estimate daily trips generated by events in the stadium component of the Project on event days. Trip generation for stadium events was estimated by the application of mode split and vehicle occupancy factors based on experience at other stadiums and the context of the Exposition Park area to the anticipated attendance.
- Estimate daily trips generated by the proposed ancillary uses on event days and on non-event days for both weekday and weekend days for the Project Scenario. This started with the estimated trip generation for the ancillary uses on a non-event weekday from the Transportation Analysis Report approved by LADOT in support of the Project's EIR Addendum (see Table 3 and discussion in Chapter 3 of the Transportation Analysis Report for further information regarding how these estimates were developed). Estimates for non-event weekend days were determined through modification of the weekday non-event estimates to incorporate trip generation rates from the Institute of Transportation Engineers (ITE) Trip Generation⁵ for weekends. Estimates for event days were developed by modifying the trip generation estimates for the non-event days to eliminate external trip generation for the ancillary uses during the period of the day when the event may be occurring (since the ancillary uses would support the events while events are occurring). The ancillary uses would still generate external trips during the times of the day when the event is not occurring, however.

(SCH #2009052053)(available at <http://www.sanjoseca.gov/DocumentCenter/View/13849>); City of San Jose, Airport West Stadium and Great Oaks Place Project, 1st Amendment to the Draft Environmental Impact Report, January 2010 (SCH #2009052053)(available at <http://www.sanjoseca.gov/DocumentCenter/View/13853>)(“This document, together with the Draft Environmental Impact Report (Draft EIR) for the Airport West Stadium and Great Oaks Place Project, constitutes the Final Environmental Impact Report (Final EIR) for the proposed project.”).

⁴ Fehr & Peers, *Los Angeles Football Club Stadium Project, Draft Transportation Analysis Report*, August 2015.

⁵ Institute of Transportation Engineers, *Trip Generation*, 9th Edition, 2012.



- Estimate daily trips generated by the proposed ancillary uses on event days and on non-event days for both weekday and weekend days for the Business as Usual Scenario (this step was skipped for the Baseline Scenario, since the Sports Arena historically did not have ancillary uses). This started with the estimated trip generation for the ancillary uses on a non-event weekday from the Transportation Analysis Report, modified to reflect the different transit and internalization assumptions for the BAU Scenario discussed previously. Estimates for non-event weekend days were determined by modification of the weekday non-event estimates to incorporate weekend trip generation rates.
- Split daily trip generation estimates into trip types (home-based work, home-based other, and non-home based) through application of trip type factors from the National Cooperative Highway Research Program⁶.
- Multiply daily trip estimates by trip type by trip length factors to calculate daily VMT by trip type, which was then summed to yield total daily VMT. For the ancillary uses and stadium employees, average trip lengths per trip type were calculated by Fehr & Peers for the South Los Angeles Community Plan area of the City of Los Angeles from the Southern California Association of Governments' (SCAG's) 2012 Regional Transportation Plan model. For capacity stadium event attendees, an average trip length of 20.7 miles per trip was calculated by Fehr & Peers from information provided by LAFC regarding the potential distribution of residences of potential professional soccer fans within the Los Angeles area⁷.
- Aggregate the daily VMT estimates to calculate annual VMT by multiplying the annual number of days with each type/size of event and the annual number of non-event days by the corresponding daily VMT estimate. Since the daily VMT estimates for non-event days assume operation of all of the ancillary uses including the conference facility on a daily basis, the annualized VMT estimates for the non-event days are conservative in that they assume that functions are occurring in the conference facility every day of the year.

VMT CALCULATIONS AND RESULTS

Attachments A, B, and C provide calculation details for the estimation of daily VMT for the Baseline Scenario with 4,100-person events, 13,500-person events, and 37,800-person events. Attachments D, E, and F provide calculation details for the estimation of daily VMT for the BAU Scenario with 4,500-person events, 8,500-person events, 22,000-person events, and non-event days. Attachments G, H, and I provide calculation details for the estimation of daily VMT for the Project Scenario with 4,500-person events, 8,500-person events, 22,000-person events, and non-event days.

Table 2 presents the annualization of the daily VMT estimates based on the program data (number of days by size of event) shown in Table 1. As indicated in Table 2, the annual VMT is estimated at 5,522,200 for the Baseline Scenario, 29,175,800 for the Business as Usual Scenario, and 21,056,000 for the Project Scenario.

⁶ Transportation Research Board, *National Cooperative Highway Research Program, Report 365, Travel Estimation Techniques for Urban Planning*, 1998.

⁷ Source: Scarborough Research, 2014.

**TABLE 1
PROGRAM OF EVENTS AT STADIUM**

Type of Event	Historic Event Program (Baseline Scenario) [a]		Proposed Program (Business as Usual and Project Scenarios) [b]						
			Number of Events per Year			Attendance		Total Patrons With	Total Patrons With
	Number of Events per Year	Average Attendance	Minimum	Maximum		Day of Week	Minimum	Maximum	Min. Events and Max. Attendance
Historic Event Program (Baseline Scenario)									
Events with less than 10,000 attendees	60	4,100							
Events with 10,000-20,000 attendees	6	13,500							
Events with greater than 20,000 attendees	3	37,800							
Proposed Program (BAU and Project Scenarios)									
MLS Regular Season Games			20	20	2 weekday, 18 weekend		22,000	440,000	440,000
MLS Playoff Games			0	3	3 weekend		22,000	0	66,000
MLS/SUM Special/Preseason Games			0	2	1 weekday, 1 weekend	6,000	22,000	0	44,000
CONCACAF Soccer Games			2	4	4 weekend		22,000	44,000	88,000
US Men and Women National Teams			0	1	2 weekend		22,000	0	22,000
Euro/Mexican Exhibition			0	3	3 weekend		22,000	0	66,000
Concerts Tier 1			4	20	2 weekday, 8 weekend	17,000	22,000	88,000	440,000
Concerts Tier 2			4	20	5 weekday, 5 weekend	7,500	8,500	34,000	170,000
Community Events			5	15	all	2,000	4,500	22,500	67,500
Total	69	440,400	35	88				628,500	1,403,500

Notes:

- Historic attendance levels at events in Los Angeles Sports Arena (2005-2009). Source: Table II-1 in Los Angeles Memorial Sports Arena Redevelopment Project EIR, 2011. 42% of these events were on weekdays and 58% were on weekends.
- Source for proposed program: Los Angeles Football Club and Eyestone Environmental, June 2015.

TABLE 2
VMT ANNUALIZATION

Baseline Scenario				Business as Usual Scenario				Project Scenario			
Number of Days per Year				Number of Days per Year [a]				Number of Days per Year [a]			
		Daily VMT	Annual VMT			Daily VMT	Annual VMT			Daily VMT	Annual VMT
37,800-Person Events				22,000-Person Events [b]				22,000-Person Events [b]			
Weekday	1	501,970	502,000	Weekday	14	322,990	4,521,900	Weekday	14	269,460	3,772,400
Weekend	2	455,000	<u>910,000</u>	Weekend	39	299,590	<u>11,684,000</u>	Weekend	39	245,330	<u>9,567,900</u>
Total	3		1,412,000	Total	53		16,205,900	Total	53		13,340,300
13,500-Person Events				8,500-Person Events [b]				8,500-Person Events [b]			
Weekday	3	179,240	537,700	Weekday	15	143,710	2,155,700	Weekday	15	109,020	1,635,300
Weekend	3	162,470	<u>487,400</u>	Weekend	5	137,090	<u>685,500</u>	Weekend	5	99,910	<u>499,600</u>
Total	6		1,025,100	Total	20		2,841,200	Total	20		2,134,900
4,100-Person Events				4,500-Person Events [b]				4,500-Person Events [b]			
Weekday	25	54,410	1,360,300	Weekday	15	90,570	1,358,600	Weekday	15	61,480	922,200
Weekend	35	49,280	<u>1,724,800</u>	Weekend	0	88,900	<u>0</u>	Weekend	0	56,780	<u>0</u>
Total	60		3,085,100	Total	15		1,358,600	Total	15		922,200
Non-Event Days				Non-Event Days [c]				Non-Event Days [c]			
Weekday	0	0	0	Weekday	216	30,800	6,652,800	Weekday	216	16,950	3,661,200
Weekend	0	0	<u>0</u>	Weekend	61	34,710	<u>2,117,300</u>	Weekend	61	16,350	<u>997,400</u>
Total	0		0	Total	277		8,770,100	Total	277		4,658,600
Annual Total	69		5,522,200	Annual Total	365		29,175,800	Annual Total	365		21,056,000

Notes:

- a. To be conservative, event days that were not specified as weekday or weekend were assumed to occur on a weekday.
- b. VMT for event days includes event and ancillary uses.
- c. Ancillary uses only.

ATTACHMENT A

DAILY VMT ESTIMATION WORKSHEETS BASELINE SCENARIO, 4,100-PERSON EVENT

TABLE A-1
DAILY TRIP GENERATION FOR EVENTS AT EXISTING SPORTS ARENA
BASELINE SCENARIO, 4,100-PERSON EVENT

MODE SPLIT ASSUMPTIONS						
Trip Type	Scenario	Personal Auto	Shared Ride (Taxi, etc.)	Charter Bus	Transit	Bike/ Walk
Spectators	Weekday	85%	5%	3%	5%	2%
	Weekend	85%	5%	3%	5%	2%
Employees	Weekday	93%	0%	0%	5%	2%
	Weekend	93%	0%	0%	5%	2%

DISTRIBUTION OF PERSON TRIPS ACROSS DIFFERENT TRAVEL MODES							
Trip Type	Scenario	Personal Auto	Shared Ride (Taxi, etc.)	Charter Bus	Transit	Bike/ Walk	Total
Spectators (4,100)	Weekday	3,485	205	123	205	82	4,100
	Weekend	3,485	205	123	205	82	4,100
Employees (0,230)	Weekday	214	0	0	12	5	230
	Weekend	214	0	0	12	5	230

VEHICLE OCCUPANCY ASSUMPTIONS				
Trip Type	Scenario	AVO	Shared Ride (Taxi, etc.)	Charter Bus
Spectators	Weekday	2.7	2.7	40
	Weekend	3.0	3.0	40
Employees	Weekday	1.5	n/a	n/a
	Weekend	1.5	n/a	n/a

VEHICLE TRIP GENERATION ESTIMATE					
Trip Type	Scenario	Total Personal Autos	Shared Ride Vehicles	Charter Buses	Total Daily Trips
Spectators	Weekday	1,291	76	3	2,892
	Weekend	1,162	68	3	2,602
Employees	Weekday	143	0	0	286
	Weekend	143	0	0	286
TOTAL	Weekday	1,434	76	3	3,178
	Weekend	1,305	68	3	2,888

TABLE A-2
SUMMARY OF ESTIMATED DAILY TRIP GENERATION
BASELINE SCENARIO, 4,100-PERSON EVENT

Weekday Non-Event Day		
Land Use	Size	Estimated Daily Trips
Stadium (patrons)	0 seats	0
Stadium (employees)	0 emp.	0
BASELINE NET TRIPS		0

Weekend Non-Event Day		
Land Use	Size	Estimated Daily Trips
Stadium (patrons)	0 seats	0
Stadium (employees)	0 emp.	0
BASELINE NET TRIPS		0

Weekday Event Day		
Land Use	Size	Estimated Daily Trips
Stadium (patrons)	4,100 seats	2,892
Stadium (employees)	230 emp.	286
BASELINE NET TRIPS		3,178

Weekend Event Day		
Land Use	Size	Estimated Daily Trips
Stadium (patrons)	4,100 seats	2,602
Stadium (employees)	230 emp.	286
BASELINE NET TRIPS		2,888

TABLE A-3.1
DAILY VEHICLE MILES TRAVELED ESTIMATION: WEEKDAY NON-EVENT DAY
BASELINE SCENARIO, 4,100-PERSON EVENT

DAILY TRIP GENERATION BY TRIP TYPE														
Land Use	Size	Daily Trips	Trip Productions						Trip Attractions					
			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type		
			Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)
Stadium (patrons)	0 seats	0	0%	0%	10%	0	0	0	0%	80%	10%	0	0	0
Stadium (employees)	0 emp.	0	0%	0%	10%	0	0	0	80%	0%	10%	0	0	0
Total		0				0	0	0				0	0	0

[1] Source: National Cooperative Highway Research Program Report 365 for all uses except stadium. Stadium estimated.

ESTIMATED DAILY VEHICLE MILES TRAVELED							
Land Use	Productions			Attractions			Total
	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	
Stadium (patrons)	0	0	0	0	0	0	0
Stadium (employees)	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

AVERAGE TRIP LENGTHS BY TRIP TYPE		
Trip Type	Average Trip Length (miles)	
	Productions	Attractions
Home Based Work	10.7	13.2
Home Based Other	5.3	7.0
Non-Home Based	5.0	6.0
Stadium Patrons	n/a	20.7

[2] Source: Calculated by Fehr & Peers for South Los Angeles Community Plan Area from Southern California Association of Governments' (SCAG's) 2012 Regional Transportation Plan model.

[3] Source: Calculated by Fehr & Peers from data regarding potential distribution of pro soccer fans within the Los Angeles area.

TABLE A-3.2
DAILY VEHICLE MILES TRAVELED ESTIMATION: WEEKDAY EVENT DAY
BASELINE SCENARIO, 4,100-PERSON EVENT

DAILY TRIP GENERATION BY TRIP TYPE														
Land Use	Size	Daily Trips	Trip Productions						Trip Attractions					
			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type		
			Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)
Stadium (patrons)	4,100 seats	2,892	0%	0%	10%	0	0	289	0%	80%	10%	0	2,314	289
Stadium (employees)	230 emp.	286	0%	0%	10%	0	0	29	80%	0%	10%	229	0	29
Total		3,178				0	0	318				229	2,314	318

[1] Source: National Cooperative Highway Research Program Report 365 for all uses except stadium. Stadium estimated.

ESTIMATED DAILY VEHICLE MILES TRAVELED							
Land Use	Productions			Attractions			Total
	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	
Stadium (patrons)	0	0	1,450	0	47,890	1,740	51,080
Stadium (employees)	0	0	140	3,020	0	170	3,330
Total	0	0	1,590	3,020	47,890	1,910	54,410

AVERAGE TRIP LENGTHS BY TRIP TYPE		
Trip Type	Average Trip Length (miles)	
	Productions	Attractions
Home Based Work	10.7	13.2
Home Based Other	5.3	7.0
Non-Home Based	5.0	6.0
Stadium Patrons	n/a	20.7

[2] Source: Calculated by Fehr & Peers for South Los Angeles Community Plan Area from Southern California Association of Governments' (SCAG's) 2012 Regional Transportation Plan model.

[3] Source: Calculated by Fehr & Peers from data regarding potential distribution of pro soccer fans within the Los Angeles area.

TABLE A-3.3
DAILY VEHICLE MILES TRAVELED ESTIMATION: WEEKEND NON-EVENT DAY
BASELINE SCENARIO, 4,100-PERSON EVENT

DAILY TRIP GENERATION BY TRIP TYPE														
Land Use	Size	Daily Trips	Trip Productions						Trip Attractions					
			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type		
			Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)
Stadium (patrons)	0 seats	0	0%	0%	10%	0	0	0	0%	80%	10%	0	0	0
Stadium (employees)	0 emp.	0	0%	0%	10%	0	0	0	80%	0%	10%	0	0	0
Total		0				0	0	0				0	0	0

[1] Source: National Cooperative Highway Research Program Report 365 for all uses except stadium. Stadium estimated.

ESTIMATED DAILY VEHICLE MILES TRAVELED							
Land Use	Productions			Attractions			Total
	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	
Stadium (patrons)	0	0	0	0	0	0	0
Stadium (employees)	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

AVERAGE TRIP LENGTHS BY TRIP TYPE			
Trip Type	Average Trip Length (miles)		
	Productions	Attractions	
Home Based Work	10.7	13.2	[2]
Home Based Other	5.3	7.0	[2]
Non-Home Based	5.0	6.0	[2]
Stadium Patrons	n/a	20.7	[3]

[2] Source: Calculated by Fehr & Peers for South Los Angeles Community Plan Area from Southern California Association of Governments' (SCAG's) 2012 Regional Transportation Plan model.

[3] Source: Calculated by Fehr & Peers from data regarding potential distribution of pro soccer fans within the Los Angeles area.

TABLE A-3.4
DAILY VEHICLE MILES TRAVELED ESTIMATION: WEEKEND EVENT DAY
BASELINE SCENARIO, 4,100-PERSON EVENT

DAILY TRIP GENERATION BY TRIP TYPE														
Land Use	Size	Daily Trips	Trip Productions						Trip Attractions					
			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type		
			Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)
Stadium (patrons)	4,100 seats	2,602	0%	0%	10%	0	0	260	0%	80%	10%	0	2,082	260
Stadium (employees)	230 emp.	286	0%	0%	10%	0	0	29	80%	0%	10%	229	0	29
Total		2,888				0	0	289				229	2,082	289

[1] Source: National Cooperative Highway Research Program Report 365 for all uses except stadium. Stadium estimated.

ESTIMATED DAILY VEHICLE MILES TRAVELED							
Land Use	Productions			Attractions			Total
	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	
Stadium (patrons)	0	0	1,300	0	43,090	1,560	45,950
Stadium (employees)	0	0	140	3,020	0	170	3,330
Total	0	0	1,440	3,020	43,090	1,730	49,280

AVERAGE TRIP LENGTHS BY TRIP TYPE		
Trip Type	Average Trip Length (miles)	
	Productions	Attractions
Home Based Work	10.7	13.2
Home Based Other	5.3	7.0
Non-Home Based	5.0	6.0
Stadium Patrons	n/a	20.7

[2] Source: Calculated by Fehr & Peers for South Los Angeles Community Plan Area from Southern California Association of Governments' (SCAG's) 2012 Regional Transportation Plan model.

[3] Source: Calculated by Fehr & Peers from data regarding potential distribution of pro soccer fans within the Los Angeles area.

ATTACHMENT B

DAILY VMT ESTIMATION WORKSHEETS BASELINE SCENARIO, 13,500-PERSON EVENT

TABLE B-1
DAILY TRIP GENERATION FOR EVENTS AT EXISTING SPORTS ARENA
BASELINE SCENARIO, 13,500-PERSON EVENT

MODE SPLIT ASSUMPTIONS						
Trip Type	Scenario	Personal Auto	Shared Ride (Taxi, etc.)	Charter Bus	Transit	Bike/ Walk
Spectators	Weekday	85%	5%	3%	5%	2%
	Weekend	85%	5%	3%	5%	2%
Employees	Weekday	93%	0%	0%	5%	2%
	Weekend	93%	0%	0%	5%	2%

DISTRIBUTION OF PERSON TRIPS ACROSS DIFFERENT TRAVEL MODES							
Trip Type	Scenario	Personal Auto	Shared Ride (Taxi, etc.)	Charter Bus	Transit	Bike/ Walk	Total
Spectators (13,500)	Weekday	11,475	675	405	675	270	13,500
	Weekend	11,475	675	405	675	270	13,500
Employees (0,770)	Weekday	716	0	0	39	15	770
	Weekend	716	0	0	39	15	770

VEHICLE OCCUPANCY ASSUMPTIONS				
Trip Type	Scenario	AVO	Shared Ride (Taxi, etc.)	Charter Bus
Spectators	Weekday	2.7	2.7	40
	Weekend	3.0	3.0	40
Employees	Weekday	1.5	n/a	n/a
	Weekend	1.5	n/a	n/a

VEHICLE TRIP GENERATION ESTIMATE					
Trip Type	Scenario	Total Personal Autos	Shared Ride Vehicles	Charter Buses	Total Daily Trips
Spectators	Weekday	4,250	250	10	9,520
	Weekend	3,825	225	10	8,570
Employees	Weekday	477	0	0	954
	Weekend	477	0	0	954
TOTAL	Weekday	4,727	250	10	10,474
	Weekend	4,302	225	10	9,524

TABLE B-2
SUMMARY OF ESTIMATED DAILY TRIP GENERATION
BASELINE SCENARIO, 13,500-PERSON EVENT

Weekday Non-Event Day		
Land Use	Size	Estimated Daily Trips
Stadium (patrons)	0 seats	0
Stadium (employees)	0 emp.	0
BASELINE NET TRIPS		0

Weekend Non-Event Day		
Land Use	Size	Estimated Daily Trips
Stadium (patrons)	0 seats	0
Stadium (employees)	0 emp.	0
BASELINE NET TRIPS		0

Weekday Event Day		
Land Use	Size	Estimated Daily Trips
Stadium (patrons)	13,500 seats	9,520
Stadium (employees)	770 emp.	954
BASELINE NET TRIPS		10,474

Weekend Event Day		
Land Use	Size	Estimated Daily Trips
Stadium (patrons)	13,500 seats	8,570
Stadium (employees)	770 emp.	954
BASELINE NET TRIPS		9,524

TABLE B-3.1
DAILY VEHICLE MILES TRAVELED ESTIMATION: WEEKDAY NON-EVENT DAY
BASELINE SCENARIO, 13,500-PERSON EVENT

DAILY TRIP GENERATION BY TRIP TYPE														
Land Use	Size	Daily Trips	Trip Productions						Trip Attractions					
			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type		
			Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)
Stadium (patrons)	0 seats	0	0%	0%	10%	0	0	0	0%	80%	10%	0	0	0
Stadium (employees)	0 emp.	0	0%	0%	10%	0	0	0	80%	0%	10%	0	0	0
Total		0				0	0	0				0	0	0

[1] Source: National Cooperative Highway Research Program Report 365 for all uses except stadium. Stadium estimated.

ESTIMATED DAILY VEHICLE MILES TRAVELED							
Land Use	Productions			Attractions			Total
	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	
Stadium (patrons)	0	0	0	0	0	0	0
Stadium (employees)	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

AVERAGE TRIP LENGTHS BY TRIP TYPE		
Trip Type	Average Trip Length (miles)	
	Productions	Attractions
Home Based Work	10.7	13.2
Home Based Other	5.3	7.0
Non-Home Based	5.0	6.0
Stadium Patrons	n/a	20.7

[2] Source: Calculated by Fehr & Peers for South Los Angeles Community Plan Area from Southern California Association of Governments' (SCAG's) 2012 Regional Transportation Plan model.

[3] Source: Calculated by Fehr & Peers from data regarding potential distribution of pro soccer fans within the Los Angeles area.

TABLE B-3.2
DAILY VEHICLE MILES TRAVELED ESTIMATION: WEEKDAY EVENT DAY
BASELINE SCENARIO, 13,500-PERSON EVENT

DAILY TRIP GENERATION BY TRIP TYPE														
Land Use	Size	Daily Trips	Trip Productions						Trip Attractions					
			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type		
			Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)
Stadium (patrons)	13,500 seats	9,520	0%	0%	10%	0	0	952	0%	80%	10%	0	7,616	952
Stadium (employees)	770 emp.	954	0%	0%	10%	0	0	95	80%	0%	10%	763	0	95
Total		10,474				0	0	1,047				763	7,616	1,047

[1] Source: National Cooperative Highway Research Program Report 365 for all uses except stadium. Stadium estimated.

ESTIMATED DAILY VEHICLE MILES TRAVELED							
Land Use	Productions			Attractions			Total
	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	
Stadium (patrons)	0	0	4,760	0	157,650	5,710	168,120
Stadium (employees)	0	0	480	10,070	0	570	11,120
Total	0	0	5,240	10,070	157,650	6,280	179,240

AVERAGE TRIP LENGTHS BY TRIP TYPE		
Trip Type	Average Trip Length (miles)	
	Productions	Attractions
Home Based Work	10.7	13.2
Home Based Other	5.3	7.0
Non-Home Based	5.0	6.0
Stadium Patrons	n/a	20.7

[2] Source: Calculated by Fehr & Peers for South Los Angeles Community Plan Area from Southern California Association of Governments' (SCAG's) 2012 Regional Transportation Plan model.

[3] Source: Calculated by Fehr & Peers from data regarding potential distribution of pro soccer fans within the Los Angeles area.

TABLE B-3.3
DAILY VEHICLE MILES TRAVELED ESTIMATION: WEEKEND NON-EVENT DAY
BASELINE SCENARIO, 13,500-PERSON EVENT

DAILY TRIP GENERATION BY TRIP TYPE														
Land Use	Size	Daily Trips	Trip Productions						Trip Attractions					
			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type		
			Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)
Stadium (patrons)	0 seats	0	0%	0%	10%	0	0	0	0%	80%	10%	0	0	0
Stadium (employees)	0 emp.	0	0%	0%	10%	0	0	0	80%	0%	10%	0	0	0
Total		0				0	0	0				0	0	0

[1] Source: National Cooperative Highway Research Program Report 365 for all uses except stadium. Stadium estimated.

ESTIMATED DAILY VEHICLE MILES TRAVELED							
Land Use	Productions			Attractions			Total
	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	
Stadium (patrons)	0	0	0	0	0	0	0
Stadium (employees)	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

AVERAGE TRIP LENGTHS BY TRIP TYPE		
Trip Type	Average Trip Length (miles)	
	Productions	Attractions
Home Based Work	10.7	13.2
Home Based Other	5.3	7.0
Non-Home Based	5.0	6.0
Stadium Patrons	n/a	20.7

[2] Source: Calculated by Fehr & Peers for South Los Angeles Community Plan Area from Southern California Association of Governments' (SCAG's) 2012 Regional Transportation Plan model.

[3] Source: Calculated by Fehr & Peers from data regarding potential distribution of pro soccer fans within the Los Angeles area.

TABLE B-3.4
DAILY VEHICLE MILES TRAVELED ESTIMATION: WEEKEND EVENT DAY
BASELINE SCENARIO, 13,500-PERSON EVENT

DAILY TRIP GENERATION BY TRIP TYPE														
Land Use	Size	Daily Trips	Trip Productions						Trip Attractions					
			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type		
			Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)
Stadium (patrons)	13,500 seats	8,570	0%	0%	10%	0	0	857	0%	80%	10%	0	6,856	857
Stadium (employees)	770 emp.	954	0%	0%	10%	0	0	95	80%	0%	10%	763	0	95
Total		9,524				0	0	952				763	6,856	952

[1] Source: National Cooperative Highway Research Program Report 365 for all uses except stadium. Stadium estimated.

ESTIMATED DAILY VEHICLE MILES TRAVELED							
Land Use	Productions			Attractions			Total
	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	
Stadium (patrons)	0	0	4,290	0	141,920	5,140	151,350
Stadium (employees)	0	0	480	10,070	0	570	11,120
Total	0	0	4,770	10,070	141,920	5,710	162,470

AVERAGE TRIP LENGTHS BY TRIP TYPE		
Trip Type	Average Trip Length (miles)	
	Productions	Attractions
Home Based Work	10.7	13.2
Home Based Other	5.3	7.0
Non-Home Based	5.0	6.0
Stadium Patrons	n/a	20.7

[2] Source: Calculated by Fehr & Peers for South Los Angeles Community Plan Area from Southern California Association of Governments' (SCAG's) 2012 Regional Transportation Plan model.

[3] Source: Calculated by Fehr & Peers from data regarding potential distribution of pro soccer fans within the Los Angeles area.

ATTACHMENT C

DAILY VMT ESTIMATION WORKSHEETS BASELINE SCENARIO, 37,800-PERSON EVENT

TABLE C-1
DAILY TRIP GENERATION FOR EVENTS AT EXISTING SPORTS ARENA
BASELINE SCENARIO, 37,800-PERSON EVENT

MODE SPLIT ASSUMPTIONS						
Trip Type	Scenario	Personal Auto	Shared Ride (Taxi, etc.)	Charter Bus	Transit	Bike/ Walk
Spectators	Weekday	85%	5%	3%	5%	2%
	Weekend	85%	5%	3%	5%	2%
Employees	Weekday	93%	0%	0%	5%	2%
	Weekend	93%	0%	0%	5%	2%

DISTRIBUTION OF PERSON TRIPS ACROSS DIFFERENT TRAVEL MODES							
Trip Type	Scenario	Personal Auto	Shared Ride (Taxi, etc.)	Charter Bus	Transit	Bike/ Walk	Total
Spectators (37,800)	Weekday	32,130	1,890	1,134	1,890	756	37,800
	Weekend	32,130	1,890	1,134	1,890	756	37,800
Employees (2,160)	Weekday	2,009	0	0	108	43	2,160
	Weekend	2,009	0	0	108	43	2,160

VEHICLE OCCUPANCY ASSUMPTIONS				
Trip Type	Scenario	AVO	Shared Ride (Taxi, etc.)	Charter Bus
Spectators	Weekday	2.7	2.7	40
	Weekend	3.0	3.0	40
Employees	Weekday	1.5	n/a	n/a
	Weekend	1.5	n/a	n/a

VEHICLE TRIP GENERATION ESTIMATE					
Trip Type	Scenario	Total Personal Autos	Shared Ride Vehicles	Charter Buses	Total Daily Trips
Spectators	Weekday	11,900	700	28	26,656
	Weekend	10,710	630	28	23,996
Employees	Weekday	1,339	0	0	2,678
	Weekend	1,339	0	0	2,678
TOTAL	Weekday	13,239	700	28	29,334
	Weekend	12,049	630	28	26,674

TABLE C-2
SUMMARY OF ESTIMATED DAILY TRIP GENERATION
BASELINE SCENARIO, 37,800-PERSON EVENT

Weekday Non-Event Day		
Land Use	Size	Estimated Daily Trips
Stadium (patrons)	0 seats	0
Stadium (employees)	0 emp.	0
BASELINE NET TRIPS		0

Weekend Non-Event Day		
Land Use	Size	Estimated Daily Trips
Stadium (patrons)	0 seats	0
Stadium (employees)	0 emp.	0
BASELINE NET TRIPS		0

Weekday Event Day		
Land Use	Size	Estimated Daily Trips
Stadium (patrons)	37,800 seats	26,656
Stadium (employees)	2,160 emp.	2,678
BASELINE NET TRIPS		29,334

Weekend Event Day		
Land Use	Size	Estimated Daily Trips
Stadium (patrons)	37,800 seats	23,996
Stadium (employees)	2,160 emp.	2,678
BASELINE NET TRIPS		26,674

TABLE C-3.1
DAILY VEHICLE MILES TRAVELED ESTIMATION: WEEKDAY NON-EVENT DAY
BASELINE SCENARIO, 37,800-PERSON EVENT

DAILY TRIP GENERATION BY TRIP TYPE														
Land Use	Size	Daily Trips	Trip Productions						Trip Attractions					
			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type		
			Home Based	Home Based	Non-Home	Home Based	Home Based	Non-Home	Home Based	Home Based	Non-Home	Home Based	Home Based	Non-Home
			Work (HBW)	Other (HBO)	Based (NHB)	Work (HBW)	Other (HBO)	Based (NHB)	Work (HBW)	Other (HBO)	Based (NHB)	Work (HBW)	Other (HBO)	Based (NHB)
Stadium (patrons)	0 seats	0	0%	0%	10%	0	0	0	0%	80%	10%	0	0	0
Stadium (employees)	0 emp.	0	0%	0%	10%	0	0	0	80%	0%	10%	0	0	0
Total		0				0	0	0				0	0	0

[1] Source: National Cooperative Highway Research Program Report 365 for all uses except stadium. Stadium estimated.

ESTIMATED DAILY VEHICLE MILES TRAVELED							
Land Use	Productions			Attractions			Total
	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	
Stadium (patrons)	0	0	0	0	0	0	0
Stadium (employees)	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

AVERAGE TRIP LENGTHS BY TRIP TYPE			
Trip Type	Average Trip Length (miles)		
	Productions	Attractions	
Home Based Work	10.7	13.2	[2]
Home Based Other	5.3	7.0	[2]
Non-Home Based	5.0	6.0	[2]
Stadium Patrons	n/a	20.7	[3]

[2] Source: Calculated by Fehr & Peers for South Los Angeles Community Plan Area from Southern California Association of Governments' (SCAG's) 2012 Regional Transportation Plan model.

[3] Source: Calculated by Fehr & Peers from data regarding potential distribution of pro soccer fans within the Los Angeles area.

TABLE C-3.2
DAILY VEHICLE MILES TRAVELED ESTIMATION: WEEKDAY EVENT DAY
BASELINE SCENARIO, 37,800-PERSON EVENT

DAILY TRIP GENERATION BY TRIP TYPE														
Land Use	Size	Daily Trips	Trip Productions						Trip Attractions					
			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type		
			Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)
Stadium (patrons)	37,800 seats	26,656	0%	0%	10%	0	0	2,666	0%	80%	10%	0	21,325	2,666
Stadium (employees)	2,160 emp.	2,678	0%	0%	10%	0	0	268	80%	0%	10%	2,142	0	268
Total		29,334				0	0	2,933				2,142	21,325	2,933

[1] Source: National Cooperative Highway Research Program Report 365 for all uses except stadium. Stadium estimated.

ESTIMATED DAILY VEHICLE MILES TRAVELED							
Land Use	Productions			Attractions			Total
	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	
Stadium (patrons)	0	0	13,330	0	441,420	15,990	470,740
Stadium (employees)	0	0	1,340	28,280	0	1,610	31,230
Total	0	0	14,670	28,280	441,420	17,600	501,970

AVERAGE TRIP LENGTHS BY TRIP TYPE		
Trip Type	Average Trip Length (miles)	
	Productions	Attractions
Home Based Work	10.7	13.2
Home Based Other	5.3	7.0
Non-Home Based	5.0	6.0
Stadium Patrons	n/a	20.7

[2] Source: Calculated by Fehr & Peers for South Los Angeles Community Plan Area from Southern California Association of Governments' (SCAG's) 2012 Regional Transportation Plan model.

[3] Source: Calculated by Fehr & Peers from data regarding potential distribution of pro soccer fans within the Los Angeles area.

TABLE C-3.3
DAILY VEHICLE MILES TRAVELED ESTIMATION: WEEKEND NON-EVENT DAY
BASELINE SCENARIO, 37,800-PERSON EVENT

DAILY TRIP GENERATION BY TRIP TYPE														
Land Use	Size	Daily Trips	Trip Productions						Trip Attractions					
			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type		
			Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)
Stadium (patrons)	0 seats	0	0%	0%	10%	0	0	0	0%	80%	10%	0	0	0
Stadium (employees)	0 emp.	0	0%	0%	10%	0	0	0	80%	0%	10%	0	0	0
Total		0				0	0	0				0	0	0

[1] Source: National Cooperative Highway Research Program Report 365 for all uses except stadium. Stadium estimated.

ESTIMATED DAILY VEHICLE MILES TRAVELED							
Land Use	Productions			Attractions			Total
	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	
Stadium (patrons)	0	0	0	0	0	0	0
Stadium (employees)	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

AVERAGE TRIP LENGTHS BY TRIP TYPE			
Trip Type	Average Trip Length (miles)		
	Productions	Attractions	
Home Based Work	10.7	13.2	[2]
Home Based Other	5.3	7.0	[2]
Non-Home Based	5.0	6.0	[2]
Stadium Patrons	n/a	20.7	[3]

[2] Source: Calculated by Fehr & Peers for South Los Angeles Community Plan Area from Southern California Association of Governments' (SCAG's) 2012 Regional Transportation Plan model.

[3] Source: Calculated by Fehr & Peers from data regarding potential distribution of pro soccer fans within the Los Angeles area.

TABLE C-3.4
DAILY VEHICLE MILES TRAVELED ESTIMATION: WEEKEND EVENT DAY
BASELINE SCENARIO, 37,800-PERSON EVENT

DAILY TRIP GENERATION BY TRIP TYPE														
Land Use	Size	Daily Trips	Trip Productions						Trip Attractions					
			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type		
			Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)
Stadium (patrons)	37,800 seats	23,996	0%	0%	10%	0	0	2,400	0%	80%	10%	0	19,197	2,400
Stadium (employees)	2,160 emp.	2,678	0%	0%	10%	0	0	268	80%	0%	10%	2,142	0	268
Total		26,674				0	0	2,667				2,142	19,197	2,667

[1] Source: National Cooperative Highway Research Program Report 365 for all uses except stadium. Stadium estimated.

ESTIMATED DAILY VEHICLE MILES TRAVELED							
Land Use	Productions			Attractions			Total
	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	
Stadium (patrons)	0	0	12,000	0	397,370	14,400	423,770
Stadium (employees)	0	0	1,340	28,280	0	1,610	31,230
Total	0	0	13,340	28,280	397,370	16,010	455,000

AVERAGE TRIP LENGTHS BY TRIP TYPE		
Trip Type	Average Trip Length (miles)	
	Productions	Attractions
Home Based Work	10.7	13.2
Home Based Other	5.3	7.0
Non-Home Based	5.0	6.0
Stadium Patrons	n/a	20.7

[2] Source: Calculated by Fehr & Peers for South Los Angeles Community Plan Area from Southern California Association of Governments' (SCAG's) 2012 Regional Transportation Plan model.

[3] Source: Calculated by Fehr & Peers from data regarding potential distribution of pro soccer fans within the Los Angeles area.

ATTACHMENT D

DAILY VMT ESTIMATION WORKSHEETS

BUSINESS AS USUAL SCENARIO, 4,500-PERSON EVENT

TABLE D-1
DAILY TRIP GENERATION FOR EVENTS AT STADIUM
BUSINESS AS USUAL SCENARIO, 4,500-PERSON EVENT

MODE SPLIT ASSUMPTIONS						
Trip Type	Scenario	Personal Auto	Shared Ride (Taxi, etc.)	Charter Bus	Transit	Bike/ Walk
Spectators	Weekday	85%	5%	3%	5%	2%
	Weekend	85%	5%	3%	5%	2%
Employees	Weekday	93%	0%	0%	5%	2%
	Weekend	93%	0%	0%	5%	2%

DISTRIBUTION OF PERSON TRIPS ACROSS DIFFERENT TRAVEL MODES							
Trip Type	Scenario	Personal Auto	Shared Ride (Taxi, etc.)	Charter Bus	Transit	Bike/ Walk	Total
Spectators (4,500)	Weekday	3,825	225	135	225	90	4,500
	Weekend	3,825	225	135	225	90	4,500
Employees (0,260)	Weekday	242	0	0	13	5	260
	Weekend	242	0	0	13	5	260

VEHICLE OCCUPANCY ASSUMPTIONS				
Trip Type	Scenario	AVO	Shared Ride (Taxi, etc.)	Charter Bus
Spectators	Weekday	2.7	2.7	40
	Weekend	3.0	3.0	40
Employees	Weekday	1.5	n/a	n/a
	Weekend	1.5	n/a	n/a

VEHICLE TRIP GENERATION ESTIMATE					
Trip Type	Scenario	Total Personal Autos	Shared Ride Vehicles	Charter Buses	Total Daily Trips
Spectators	Weekday	1,417	83	3	3,172
	Weekend	1,275	75	3	2,856
Employees	Weekday	161	0	0	322
	Weekend	161	0	0	322
TOTAL	Weekday	1,578	83	3	3,494
	Weekend	1,436	75	3	3,178

TABLE D-2.1
DAILY TRIP GENERATION ESTIMATE - ANCILLARY USES
LAFC PROGRAM ON A NON-EVENT WEEKDAY (BUSINESS AS USUAL SCENARIO)

Land Use	ITE Land Use Code	Size	Trip Generation Rates [a]		Daily Trips
			Daily Rate	Trip Rate Unit	
Conference Facilities Persons Gross vehicles <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Conference		10.0 ksf 261 prsns AM 430 prsns PM [b]	2 1.00 0% 5%	per person	691 691 0 (35) 656
Hall of Fame <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Hall of Fame	580 [f]	0.0 ksf AM [h] 40.0 ksf PM	5.80 0% 5%	per ksf	232 0 (12) 220
Hall of Fame Store <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Hall of Fame Store	826 [g]	0.0 ksf AM [h] 15.0 ksf PM	44.32 0% 5% 10%	per ksf	665 0 (33) (63) 569
Other Retail (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [g]	0.0 ksf AM [h] 3.0 ksf PM	44.32 0% 5% 10%	per ksf	133 0 (7) (13) 113
Other Retail (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [g]	0.0 ksf AM [h] 12.0 ksf PM	44.32 0% 5% 10%	per ksf	532 0 (27) (51) 454
Quality Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Quality Restaurant	931	0.0 ksf AM [h] 6.0 ksf PM	89.95 0% 5% 10%	per ksf	540 0 (27) (51) 462
High-Turnover Sit-Down Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External High-Turnover Rest.	932	0.0 ksf AM [h] 5.0 ksf PM	127.15 0% 5% 20%	per ksf	636 0 (32) (121) 483
Fast Food Rest. (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	0.0 ksf AM [h] 1.5 ksf PM	716.00 0% 5% 50%	per ksf	1,074 0 (54) (510) 510
Fast Food Rest. (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	0.0 ksf AM [h] 1.5 ksf PM	716.00 0% 5% 50%	per ksf	1,074 0 (54) (510) 510
Office <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Office	710	25.0 ksf	11.03 0% 5%	per ksf	276 0 (14) 262
PROJECT TOTAL					4,239

Notes:

- Source: Institute of Transportation Engineers (ITE), *Trip Generation, 9th Edition*, 2012, unless otherwise noted.
- Conference facility trip estimates assume 2 functions per day and an average vehicle occupancy (AVO) of 2.0 attendees per vehicle. Functions generating trips during the weekday AM peak hour will be limited to 320 attendees.
- Internal capture assumed to be zero for Business as Usual scenario.
- Transit credit assumed to be minimal (5%) for Business as Usual scenario.
- Source for pass-by credits: Attachment I of LADOT's *Traffic Study Policies and Procedures*, August 2014.
- No daily rate available from ITE for museum. Daily rate assumed to be 10 x PM peak hour rate.
- Specialty retail (ITE code 826) used for museum store and other retail (used AM rate from code 820 since no AM rate is available for code 826).
- The Hall of Fame, Hall of Fame Store, other retail, quality restaurants, high-turnover sit-down restaurants, and fast food restaurants will not open for business until mid- to late-morning and thus will generate negligible trips during the AM peak hour.

TABLE D-2.2
DAILY TRIP GENERATION ESTIMATE - ANCILLARY USES
LAFC PROGRAM ON AN EVENT WEEKDAY (BUSINESS AS USUAL SCENARIO)

Land Use	ITE Land Use Code	Size	Trip Generation Rates [a]		Daily Trips
			Daily Rate	Trip Rate Unit	
Conference Facilities Persons Gross vehicles <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Conference		10.0 ksf 261 prsns AM 430 prsns PM [b]	2 1.00 0% 5%	per person	691 691 0 (35) 656
Hall of Fame <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Hall of Fame	580 [f]	0.0 ksf AM [h] 40.0 ksf PM	5.80 0% 5%	per ksf	232 0 (12) 220
Hall of Fame Store <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Hall of Fame Store	826 [g]	0.0 ksf AM [h] 15.0 ksf PM	44.32 0% 5% 10%	per ksf	665 0 (33) (63) 569
Other Retail (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [g]	0.0 ksf AM [h] 3.0 ksf PM	44.32 0% 5% 10%	per ksf	133 0 (7) (13) 113
Other Retail (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [g]	0.0 ksf AM [h] 12.0 ksf PM	44.32 0% 5% 10%	per ksf	532 0 (27) (51) 454
Quality Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Quality Restaurant	931	0.0 ksf AM [h] 6.0 ksf PM	89.95 0% 5% 10%	per ksf	540 0 (27) (51) 462
High-Turnover Sit-Down Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External High-Turnover Rest.	932	0.0 ksf AM [h] 5.0 ksf PM	127.15 0% 5% 20%	per ksf	636 0 (32) (121) 483
Fast Food Rest. (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	0.0 ksf AM [h] 1.5 ksf PM	716.00 0% 5% 50%	per ksf	1,074 0 (54) (510) 510
Fast Food Rest. (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	0.0 ksf AM [h] 1.5 ksf PM	716.00 0% 5% 50%	per ksf	1,074 0 (54) (510) 510
Office <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Office	710	25.0 ksf	11.03 0% 5%	per ksf	276 0 (14) 262
PROJECT TOTAL					4,239

Notes:

- Source: Institute of Transportation Engineers (ITE), *Trip Generation, 9th Edition*, 2012, unless otherwise noted.
- Conference facility trip estimates assume 2 functions per day and an average vehicle occupancy (AVO) of 2.0 attendees per vehicle. Functions generating trips during the weekday AM peak hour will be limited to 320 attendees.
- Internal capture assumed to be zero for Business as Usual scenario.
- Transit credit assumed to be minimal (5%) for Business as Usual scenario.
- Source for pass-by credits: Attachment I of LADOT's *Traffic Study Policies and Procedures*, August 2014.
- No daily rate available from ITE for museum. Daily rate assumed to be 10 x PM peak hour rate.
- Specialty retail (ITE code 826) used for museum store and other retail (used AM rate from code 820 since no AM rate is available for code 826).
- The Hall of Fame, Hall of Fame Store, other retail, quality restaurants, high-turnover sit-down restaurants, and fast food restaurants will not open for business until mid- to late-morning and thus will generate negligible trips during the AM peak hour.

TABLE D-2.3
DAILY TRIP GENERATION ESTIMATE - ANCILLARY USES
LAFC PROGRAM ON A NON-EVENT WEEKEND DAY (BUSINESS AS USUAL SCENARIO)

Land Use	ITE Land Use Code	Size	Trip Generation Rates [a]		Daily Trips
			Daily Rate	Trip Rate Unit	
Conference Facilities Persons Gross vehicles <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Conference		10.0 ksf 430 prsns AM 430 prsns PM [b]	2 1.00 0% 5%	per person	860 860 0 (43) 817
Hall of Fame <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Hall of Fame	580 [f]	0.0 ksf AM [h] 40.0 ksf PM	21.10 0% 5%	per ksf	844 0 (42) 802
Hall of Fame Store <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Hall of Fame Store	826 [g]	0.0 ksf AM [h] 15.0 ksf PM	42.04 0% 5% 10%	per ksf	631 0 (32) (60) 539
Other Retail (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [g]	0.0 ksf AM [h] 3.0 ksf PM	42.04 0% 5% 10%	per ksf	126 0 (6) (12) 108
Other Retail (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [g]	0.0 ksf AM [h] 12.0 ksf PM	42.04 0% 5% 10%	per ksf	504 0 (25) (48) 431
Quality Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Quality Restaurant	931	0.0 ksf AM [h] 6.0 ksf PM	94.36 0% 5% 10%	per ksf	566 0 (28) (54) 484
High-Turnover Sit-Down Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External High-Turnover Rest.	932	0.0 ksf AM [h] 5.0 ksf PM	158.37 0% 5% 20%	per ksf	792 0 (40) (150) 602
Fast Food Rest. (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	0.0 ksf AM [h] 1.5 ksf PM	696.00 0% 5% 50%	per ksf	1,044 0 (52) (496) 496
Fast Food Rest. (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	0.0 ksf AM [h] 1.5 ksf PM	696.00 0% 5% 50%	per ksf	1,044 0 (52) (496) 496
Office <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Office	710	25.0 ksf	2.46 0% 5%	per ksf	62 0 (3) 59
PROJECT TOTAL					4,834

Notes:

- Source: Institute of Transportation Engineers (ITE), *Trip Generation, 9th Edition*, 2012, unless otherwise noted.
- Conference facility trip estimates assume 2 functions per day and an average vehicle occupancy (AVO) of 2.0 attendees per vehicle. Functions generating trips during the weekday AM peak hour will be limited to 320 attendees.
- Internal capture assumed to be zero for Business as Usual scenario.
- Transit credit assumed to be minimal (5%) for Business as Usual scenario.
- Source for pass-by credits: Attachment I of LADOT's *Traffic Study Policies and Procedures*, August 2014.
- No daily rate available from ITE for museum. Daily rate assumed to be 10 x PM peak hour rate.
- Specialty retail (ITE code 826) used for museum store and other retail (used midday rate from code 820 since no midday rate is available for code 826).
- The Hall of Fame, Hall of Fame Store, other retail, quality restaurants, high-turnover sit-down restaurants, and fast food restaurants will not open for business until mid- to late-morning and thus will generate negligible trips during the AM peak hour.

TABLE D-2.4
DAILY TRIP GENERATION ESTIMATE - ANCILLARY USES
LAFC PROGRAM ON A WEEKEND EVENT DAY (BUSINESS AS USUAL SCENARIO)

Land Use	ITE Land Use Code	Size	Trip Generation Rates [a]		Daily Trips
			Daily Rate	Trip Rate Unit	
Conference Facilities Persons Gross vehicles <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Conference		10.0 ksf 430 prsns AM 430 prsns PM [b]	2 1.00 0% 5%	per person	860 860 0 (43) 817
Hall of Fame <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Hall of Fame	580 [f]	40.0 ksf AM [h] 40.0 ksf PM	21.10 0% 5%	per ksf	844 0 (42) 802
Hall of Fame Store <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Hall of Fame Store	826 [g]	15.0 ksf AM [h] 15.0 ksf PM	42.04 0% 5% 10%	per ksf	631 0 (32) (60) 539
Other Retail (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [g]	3.0 ksf AM [h] 3.0 ksf PM	42.04 0% 5% 10%	per ksf	126 0 (6) (12) 108
Other Retail (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [g]	12.0 ksf AM [h] 12.0 ksf PM	42.04 0% 5% 10%	per ksf	504 0 (25) (48) 431
Quality Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Quality Restaurant	931	6.0 ksf AM [h] 6.0 ksf PM	94.36 0% 5% 10%	per ksf	566 0 (28) (54) 484
High-Turnover Sit-Down Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External High-Turnover Rest.	932	5.0 ksf AM [h] 5.0 ksf PM	158.37 0% 5% 20%	per ksf	792 0 (40) (150) 602
Fast Food Rest. (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	1.5 ksf AM [h] 1.5 ksf PM	696.00 0% 5% 50%	per ksf	1,044 0 (52) (496) 496
Fast Food Rest. (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	1.5 ksf AM [h] 1.5 ksf PM	696.00 0% 5% 50%	per ksf	1,044 0 (52) (496) 496
Office <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Office	710	25.0 ksf	2.46 0% 5%	per ksf	62 0 (3) 59
PROJECT TOTAL					4,834

Notes:

- Source: Institute of Transportation Engineers (ITE), *Trip Generation, 9th Edition*, 2012, unless otherwise noted.
- Conference facility trip estimates assume 2 functions per day and an average vehicle occupancy (AVO) of 2.0 attendees per vehicle. Functions generating trips during the weekday AM peak hour will be limited to 320 attendees.
- Internal capture assumed to be zero for Business as Usual scenario.
- Transit credit assumed to be minimal (5%) for Business as Usual scenario.
- Source for pass-by credits: Attachment I of LADOT's *Traffic Study Policies and Procedures*, August 2014.
- No daily rate available from ITE for museum. Daily rate assumed to be 10 x PM peak hour rate.
- Specialty retail (ITE code 826) used for museum store and other retail (used midday rate from code 820 since no midday rate is available for code 826).
- The Hall of Fame, Hall of Fame Store, other retail, quality restaurants, high-turnover sit-down restaurants, and fast food restaurants will not open for business until mid- to late-morning and thus will generate negligible trips during the AM peak hour.

TABLE D-3
SUMMARY OF ESTIMATED DAILY TRIP GENERATION
BUSINESS AS USUAL SCENARIO, 4,500-PERSON EVENT

Weekday Non-Event Day		
Land Use	Size	Estimated Daily Trips
Stadium (patrons)	0 seats	0
Stadium (employees)	0 emp.	0
Conference Facilities	10.0 ksf	656
Museum	40.0 ksf	220
Team Store	15.0 ksf	569
Other Retail (fronting Figueroa)	3.0 ksf	113
Other Retail (not fronting Figueroa)	12.0 ksf	454
Quality Restaurant	6.0 ksf	462
High-Turnover Sit-Down Restaurant	5.0 ksf	483
Fast Food Rest. (fronting Figueroa)	1.5 ksf	510
Fast Food Rest. (not fronting Figueroa)	1.5 ksf	510
Office	25.0 ksf	262
PROJECT NET TRIPS		4,239

Weekend Non-Event Day		
Land Use	Size	Estimated Daily Trips
Stadium (patrons)	0 seats	0
Stadium (employees)	0 emp.	0
Conference Facilities	10.0 ksf	817
Museum	40.0 ksf	802
Team Store	15.0 ksf	539
Other Retail (fronting Figueroa)	3.0 ksf	108
Other Retail (not fronting Figueroa)	12.0 ksf	431
Quality Restaurant	6.0 ksf	484
High-Turnover Sit-Down Restaurant	5.0 ksf	602
Fast Food Rest. (fronting Figueroa)	1.5 ksf	496
Fast Food Rest. (not fronting Figueroa)	1.5 ksf	496
Office	25.0 ksf	59
PROJECT NET TRIPS		4,834

Weekday Event Day		
Land Use	Size	Estimated Daily Trips
Stadium (patrons)	4,500 seats	3,172
Stadium (employees)	260 emp.	322
Conference Facilities	10.0 ksf	656
Museum	40.0 ksf	220
Team Store	15.0 ksf	569
Other Retail (fronting Figueroa)	3.0 ksf	113
Other Retail (not fronting Figueroa)	12.0 ksf	454
Quality Restaurant	6.0 ksf	462
High-Turnover Sit-Down Restaurant	5.0 ksf	483
Fast Food Rest. (fronting Figueroa)	1.5 ksf	510
Fast Food Rest. (not fronting Figueroa)	1.5 ksf	510
Office	25.0 ksf	262
PROJECT NET TRIPS		7,733

Weekend Event Day		
Land Use	Size	Estimated Daily Trips
Stadium (patrons)	4,500 seats	2,856
Stadium (employees)	260 emp.	322
Conference Facilities	10.0 ksf	817
Museum	40.0 ksf	802
Team Store	15.0 ksf	539
Other Retail (fronting Figueroa)	3.0 ksf	108
Other Retail (not fronting Figueroa)	12.0 ksf	431
Quality Restaurant	6.0 ksf	484
High-Turnover Sit-Down Restaurant	5.0 ksf	602
Fast Food Rest. (fronting Figueroa)	1.5 ksf	496
Fast Food Rest. (not fronting Figueroa)	1.5 ksf	496
Office	12.0 ksf	59
PROJECT NET TRIPS		8,012

TABLE D-4.1
DAILY VEHICLE MILES TRAVELED ESTIMATION: WEEKDAY NON-EVENT DAY
BUSINESS AS USUAL SCENARIO, 4,500-PERSON EVENT

DAILY TRIP GENERATION BY TRIP TYPE														
Land Use	Size	Daily Trips	Trip Productions						Trip Attractions					
			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type		
			Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)
Stadium (patrons)	0 seats	0	0%	0%	10%	0	0	0	0%	80%	10%	0	0	0
Stadium (employees)	0 emp.	0	0%	0%	10%	0	0	0	80%	0%	10%	0	0	0
Conference Facilities	10,000 sf	656	0%	0%	15%	0	0	98	10%	60%	15%	66	394	98
Museum	40,000 sf	220	0%	0%	15%	0	0	33	10%	60%	15%	22	132	33
Team Store	15,000 sf	569	0%	0%	15%	0	0	85	10%	60%	15%	57	341	85
Other Retail (fronting Figueroa)	3,000 sf	113	0%	0%	15%	0	0	17	10%	60%	15%	11	68	17
Other Retail (not fronting Figueroa)	12,000 sf	454	0%	0%	15%	0	0	68	10%	60%	15%	45	272	68
Quality Restaurant	6,000 sf	462	0%	0%	15%	0	0	69	10%	60%	15%	46	277	69
High-Turnover Sit-Down Restaurant	5,000 sf	483	0%	0%	15%	0	0	72	10%	60%	15%	48	290	72
Fast Food Rest. (fronting Figueroa)	1,500 sf	510	0%	0%	15%	0	0	77	10%	60%	15%	51	306	77
Fast Food Rest. (not fronting Figueroa)	1,500 sf	510	0%	0%	15%	0	0	77	10%	60%	15%	51	306	77
Office	25,000 sf	262	0%	0%	15%	0	0	39	35%	35%	15%	92	92	39
Total		4,239				0	0	636				489	2,478	636

[1] Source: National Cooperative Highway Research Program Report 365 for all uses except stadium. Stadium estimated.

ESTIMATED DAILY VEHICLE MILES TRAVELED							
Land Use	Productions			Attractions			Total
	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	
Stadium (patrons)	0	0	0	0	0	0	0
Stadium (employees)	0	0	0	0	0	0	0
Conference Facilities	0	0	490	870	2,760	590	4,710
Museum	0	0	170	290	920	200	1,580
Team Store	0	0	430	750	2,390	510	4,080
Other Retail (fronting Figueroa)	0	0	80	150	470	100	800
Other Retail (not fronting Figueroa)	0	0	340	600	1,910	410	3,260
Quality Restaurant	0	0	350	610	1,940	420	3,320
High-Turnover Sit-Down Restaurant	0	0	360	640	2,030	430	3,460
Fast Food Rest. (fronting Figueroa)	0	0	380	670	2,140	460	3,650
Fast Food Rest. (not fronting Figueroa)	0	0	380	670	2,140	460	3,650
Office	0	0	200	1,210	640	240	2,290
Total	0	0	3,180	6,460	17,340	3,820	30,800

AVERAGE TRIP LENGTHS BY TRIP TYPE			
Trip Type	Average Trip Length (miles)		
	Productions	Attractions	
Home Based Work	10.7	13.2	[2]
Home Based Other	5.3	7.0	[2]
Non-Home Based	5.0	6.0	[2]
Stadium Patrons	n/a	20.7	[3]

[2] Source: Calculated by Fehr & Peers for South Los Angeles Community Plan Area from Southern California Association of Governments' (SCAG's) 2012 Regional Transportation Plan model.

[3] Source: Calculated by Fehr & Peers from data regarding potential distribution of pro soccer fans within the Los Angeles area.

TABLE D-4.2
DAILY VEHICLE MILES TRAVELED ESTIMATION: WEEKDAY EVENT DAY
BUSINESS AS USUAL SCENARIO, 4,500-PERSON EVENT

DAILY TRIP GENERATION BY TRIP TYPE														
Land Use	Size	Daily Trips	Trip Productions						Trip Attractions					
			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type		
			Home Based	Home Based	Non-Home	Home Based	Home Based	Non-Home	Home Based	Home Based	Non-Home	Home Based	Home Based	Non-Home
			Work (HBW)	Other (HBO)	Based (NHB)	Work (HBW)	Other (HBO)	Based (NHB)	Work (HBW)	Other (HBO)	Based (NHB)	Work (HBW)	Other (HBO)	Based (NHB)
Stadium (patrons)	4,500 seats	3,172	0%	0%	10%	0	0	317	0%	80%	10%	0	2,538	317
Stadium (employees)	260 emp.	322	0%	0%	10%	0	0	32	80%	0%	10%	258	0	32
Conference Facilities	10,000 sf	656	0%	0%	15%	0	0	98	10%	60%	15%	66	394	98
Museum	40,000 sf	220	0%	0%	15%	0	0	33	10%	60%	15%	22	132	33
Team Store	15,000 sf	569	0%	0%	15%	0	0	85	10%	60%	15%	57	341	85
Other Retail (fronting Figueroa)	3,000 sf	113	0%	0%	15%	0	0	17	10%	60%	15%	11	68	17
Other Retail (not fronting Figueroa)	12,000 sf	454	0%	0%	15%	0	0	68	10%	60%	15%	45	272	68
Quality Restaurant	6,000 sf	462	0%	0%	15%	0	0	69	10%	60%	15%	46	277	69
High-Turnover Sit-Down Restaurant	5,000 sf	483	0%	0%	15%	0	0	72	10%	60%	15%	48	290	72
Fast Food Rest. (fronting Figueroa)	1,500 sf	510	0%	0%	15%	0	0	77	10%	60%	15%	51	306	77
Fast Food Rest. (not fronting Figueroa)	1,500 sf	510	0%	0%	15%	0	0	77	10%	60%	15%	51	306	77
Office	25,000 sf	262	0%	0%	15%	0	0	39	35%	35%	15%	92	92	39
Total		7,733				0	0	985				747	5,016	985

[1] Source: National Cooperative Highway Research Program Report 365 for all uses except stadium. Stadium estimated.

ESTIMATED DAILY VEHICLE MILES TRAVELED							
Land Use	Productions			Attractions			Total
	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	
Stadium (patrons)	0	0	1,590	0	52,530	1,900	56,020
Stadium (employees)	0	0	160	3,400	0	190	3,750
Conference Facilities	0	0	490	870	2,760	590	4,710
Museum	0	0	170	290	920	200	1,580
Team Store	0	0	430	750	2,390	510	4,080
Other Retail (fronting Figueroa)	0	0	80	150	470	100	800
Other Retail (not fronting Figueroa)	0	0	340	600	1,910	410	3,260
Quality Restaurant	0	0	350	610	1,940	420	3,320
High-Turnover Sit-Down Restaurant	0	0	360	640	2,030	430	3,460
Fast Food Rest. (fronting Figueroa)	0	0	380	670	2,140	460	3,650
Fast Food Rest. (not fronting Figueroa)	0	0	380	670	2,140	460	3,650
Office	0	0	200	1,210	640	240	2,290
Total	0	0	4,930	9,860	69,870	5,910	90,570

AVERAGE TRIP LENGTHS BY TRIP TYPE		
Trip Type	Average Trip Length (miles)	
	Productions	Attractions
Home Based Work	10.7	13.2
Home Based Other	5.3	7.0
Non-Home Based	5.0	6.0
Stadium Patrons	n/a	20.7

[2] Source: Calculated by Fehr & Peers for South Los Angeles Community Plan Area from Southern California Association of Governments' (SCAG's) 2012 Regional Transportation Plan model.

[3] Source: Calculated by Fehr & Peers from data regarding potential distribution of pro soccer fans within the Los Angeles area.

TABLE D-4.3
DAILY VEHICLE MILES TRAVELED ESTIMATION: WEEKEND NON-EVENT DAY
BUSINESS AS USUAL SCENARIO, 4,500-PERSON EVENT

DAILY TRIP GENERATION BY TRIP TYPE														
Land Use	Size	Daily Trips	Trip Productions						Trip Attractions					
			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type		
			Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)
Stadium (patrons)	0 seats	0	0%	0%	10%	0	0	0	0%	80%	10%	0	0	0
Stadium (employees)	0 emp.	0	0%	0%	10%	0	0	0	80%	0%	10%	0	0	0
Conference Facilities	10,000 sf	817	0%	0%	15%	0	0	123	10%	60%	15%	82	490	123
Museum	40,000 sf	802	0%	0%	15%	0	0	120	10%	60%	15%	80	481	120
Team Store	15,000 sf	539	0%	0%	15%	0	0	81	10%	60%	15%	54	323	81
Other Retail (fronting Figueroa)	3,000 sf	108	0%	0%	15%	0	0	16	10%	60%	15%	11	65	16
Other Retail (not fronting Figueroa)	12,000 sf	431	0%	0%	15%	0	0	65	10%	60%	15%	43	259	65
Quality Restaurant	6,000 sf	484	0%	0%	15%	0	0	73	10%	60%	15%	48	290	73
High-Turnover Sit-Down Restaurant	5,000 sf	602	0%	0%	15%	0	0	90	10%	60%	15%	60	361	90
Fast Food Rest. (fronting Figueroa)	1,500 sf	496	0%	0%	15%	0	0	74	10%	60%	15%	50	298	74
Fast Food Rest. (not fronting Figueroa)	1,500 sf	496	0%	0%	15%	0	0	74	10%	60%	15%	50	298	74
Office	25,000 sf	59	0%	0%	15%	0	0	9	35%	35%	15%	21	21	9
Total		4,834				0	0	725				498	2,886	725

[1] Source: National Cooperative Highway Research Program Report 365 for all uses except stadium. Stadium estimated.

ESTIMATED DAILY VEHICLE MILES TRAVELED							
Land Use	Productions			Attractions			Total
	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	
Stadium (patrons)	0	0	0	0	0	0	0
Stadium (employees)	0	0	0	0	0	0	0
Conference Facilities	0	0	610	1,080	3,430	740	5,860
Museum	0	0	600	1,060	3,370	720	5,750
Team Store	0	0	400	710	2,260	490	3,860
Other Retail (fronting Figueroa)	0	0	80	140	450	100	770
Other Retail (not fronting Figueroa)	0	0	320	570	1,810	390	3,090
Quality Restaurant	0	0	360	640	2,030	440	3,470
High-Turnover Sit-Down Restaurant	0	0	450	790	2,530	540	4,310
Fast Food Rest. (fronting Figueroa)	0	0	370	650	2,080	450	3,550
Fast Food Rest. (not fronting Figueroa)	0	0	370	650	2,080	450	3,550
Office	0	0	40	270	140	50	500
Total	0	0	3,600	6,560	20,180	4,370	34,710

AVERAGE TRIP LENGTHS BY TRIP TYPE			
Trip Type	Average Trip Length (miles)		
	Productions	Attractions	
Home Based Work	10.7	13.2	[2]
Home Based Other	5.3	7.0	[2]
Non-Home Based	5.0	6.0	[2]
Stadium Patrons	n/a	20.7	[3]

[2] Source: Calculated by Fehr & Peers for South Los Angeles Community Plan Area from Southern California Association of Governments' (SCAG's) 2012 Regional Transportation Plan model.

[3] Source: Calculated by Fehr & Peers from data regarding potential distribution of pro soccer fans within the Los Angeles area.

TABLE D-4.4
DAILY VEHICLE MILES TRAVELED ESTIMATION: WEEKEND EVENT DAY
BUSINESS AS USUAL SCENARIO, 4,500-PERSON EVENT

DAILY TRIP GENERATION BY TRIP TYPE

Land Use	Size	Daily Trips	Trip Productions						Trip Attractions					
			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type		
			Home Based	Home Based	Non-Home	Home Based	Home Based	Non-Home	Home Based	Home Based	Non-Home	Home Based	Home Based	Non-Home
			Work (HBW)	Other (HBO)	Based (NHB)	Work (HBW)	Other (HBO)	Based (NHB)	Work (HBW)	Other (HBO)	Based (NHB)	Work (HBW)	Other (HBO)	Based (NHB)
Stadium (patrons)	4,500 seats	2,856	0%	0%	10%	0	0	286	0%	80%	10%	0	2,285	286
Stadium (employees)	260 emp.	322	0%	0%	10%	0	0	32	80%	0%	10%	258	0	32
Conference Facilities	10,000 sf	817	0%	0%	15%	0	0	123	10%	60%	15%	82	490	123
Museum	40,000 sf	802	0%	0%	15%	0	0	120	10%	60%	15%	80	481	120
Team Store	15,000 sf	539	0%	0%	15%	0	0	81	10%	60%	15%	54	323	81
Other Retail (fronting Figueroa)	3,000 sf	108	0%	0%	15%	0	0	16	10%	60%	15%	11	65	16
Other Retail (not fronting Figueroa)	12,000 sf	431	0%	0%	15%	0	0	65	10%	60%	15%	43	259	65
Quality Restaurant	6,000 sf	484	0%	0%	15%	0	0	73	10%	60%	15%	48	290	73
High-Turnover Sit-Down Restaurant	5,000 sf	602	0%	0%	15%	0	0	90	10%	60%	15%	60	361	90
Fast Food Rest. (fronting Figueroa)	1,500 sf	496	0%	0%	15%	0	0	74	10%	60%	15%	50	298	74
Fast Food Rest. (not fronting Figueroa)	1,500 sf	496	0%	0%	15%	0	0	74	10%	60%	15%	50	298	74
Office	25,000 sf	59	0%	0%	15%	0	0	9	35%	35%	15%	21	21	9
Total		8,012				0	0	1,043				756	5,170	1,043

[1] Source: National Cooperative Highway Research Program Report 365 for all uses except stadium. Stadium estimated.

ESTIMATED DAILY VEHICLE MILES TRAVELED

Land Use	Productions			Attractions			Total
	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	
Stadium (patrons)	0	0	1,430	0	47,300	1,710	50,440
Stadium (employees)	0	0	160	3,400	0	190	3,750
Conference Facilities	0	0	610	1,080	3,430	740	5,860
Museum	0	0	600	1,060	3,370	720	5,750
Team Store	0	0	400	710	2,260	490	3,860
Other Retail (fronting Figueroa)	0	0	80	140	450	100	770
Other Retail (not fronting Figueroa)	0	0	320	570	1,810	390	3,090
Quality Restaurant	0	0	360	640	2,030	440	3,470
High-Turnover Sit-Down Restaurant	0	0	450	790	2,530	540	4,310
Fast Food Rest. (fronting Figueroa)	0	0	370	650	2,080	450	3,550
Fast Food Rest. (not fronting Figueroa)	0	0	370	650	2,080	450	3,550
Office	0	0	40	270	140	50	500
Total	0	0	5,190	9,960	67,480	6,270	88,900

AVERAGE TRIP LENGTHS BY TRIP TYPE

Trip Type	Average Trip Length (miles)	
	Productions	Attractions
Home Based Work	10.7	13.2
Home Based Other	5.3	7.0
Non-Home Based	5.0	6.0
Stadium Patrons	n/a	20.7

[2] Source: Calculated by Fehr & Peers for South Los Angeles Community Plan Area from Southern California Association of Governments' (SCAG's) 2012 Regional Transportation Plan model.

[3] Source: Calculated by Fehr & Peers from data regarding potential distribution of pro soccer fans within the Los Angeles area.

ATTACHMENT E

DAILY VMT ESTIMATION WORKSHEETS

BUSINESS AS USUAL SCENARIO, 8,500-PERSON EVENT

TABLE E-1
DAILY TRIP GENERATION FOR EVENTS AT STADIUM
BUSINESS AS USUAL SCENARIO, 8,500-PERSON EVENT

MODE SPLIT ASSUMPTIONS						
Trip Type	Scenario	Personal Auto	Shared Ride (Taxi, etc.)	Charter Bus	Transit	Bike/ Walk
Spectators	Weekday	85%	5%	3%	5%	2%
	Weekend	85%	5%	3%	5%	2%
Employees	Weekday	93%	0%	0%	5%	2%
	Weekend	93%	0%	0%	5%	2%

DISTRIBUTION OF PERSON TRIPS ACROSS DIFFERENT TRAVEL MODES							
Trip Type	Scenario	Personal Auto	Shared Ride (Taxi, etc.)	Charter Bus	Transit	Bike/ Walk	Total
Spectators (8,500)	Weekday	7,225	425	255	425	170	8,500
	Weekend	7,225	425	255	425	170	8,500
Employees (0,490)	Weekday	456	0	0	25	10	490
	Weekend	456	0	0	25	10	490

VEHICLE OCCUPANCY ASSUMPTIONS				
Trip Type	Scenario	AVO	Shared Ride (Taxi, etc.)	Charter Bus
Spectators	Weekday	2.7	2.7	40
	Weekend	3.0	3.0	40
Employees	Weekday	1.5	n/a	n/a
	Weekend	1.5	n/a	n/a

PROJECT VEHICLE TRIP GENERATION ESTIMATE					
Trip Type	Scenario	Total Personal Autos	Shared Ride Vehicles	Charter Buses	Total Daily Trips
Spectators	Weekday	2,676	157	6	5,992
	Weekend	2,408	142	6	5,396
Employees	Weekday	304	0	0	608
	Weekend	304	0	0	608
TOTAL	Weekday	2,980	157	6	6,600
	Weekend	2,712	142	6	6,004

TABLE E-2.1
DAILY TRIP GENERATION ESTIMATE - ANCILLARY USES
LAFC PROGRAM ON A NON-EVENT WEEKDAY (BUSINESS AS USUAL SCENARIO)

Land Use	ITE Land Use Code	Size	Trip Generation Rates [a]		Daily Trips
			Daily Rate	Trip Rate Unit	
Conference Facilities Persons Gross vehicles <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Conference		10.0 ksf 261 prsns AM 430 prsns PM [b]	2 1.00 0% 5%	per person	691 691 0 (35) 656
Hall of Fame <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Hall of Fame	580 [f]	0.0 ksf AM [h] 40.0 ksf PM	5.80 0% 5%	per ksf	232 0 (12) 220
Hall of Fame Store <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Hall of Fame Store	826 [g]	0.0 ksf AM [h] 15.0 ksf PM	44.32 0% 5% 10%	per ksf	665 0 (33) (63) 569
Other Retail (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [g]	0.0 ksf AM [h] 3.0 ksf PM	44.32 0% 5% 10%	per ksf	133 0 (7) (13) 113
Other Retail (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [g]	0.0 ksf AM [h] 12.0 ksf PM	44.32 0% 5% 10%	per ksf	532 0 (27) (51) 454
Quality Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Quality Restaurant	931	0.0 ksf AM [h] 6.0 ksf PM	89.95 0% 5% 10%	per ksf	540 0 (27) (51) 462
High-Turnover Sit-Down Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External High-Turnover Rest.	932	0.0 ksf AM [h] 5.0 ksf PM	127.15 0% 5% 20%	per ksf	636 0 (32) (121) 483
Fast Food Rest. (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	0.0 ksf AM [h] 1.5 ksf PM	716.00 0% 5% 50%	per ksf	1,074 0 (54) (510) 510
Fast Food Rest. (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	0.0 ksf AM [h] 1.5 ksf PM	716.00 0% 5% 50%	per ksf	1,074 0 (54) (510) 510
Office <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Office	710	25.0 ksf	11.03 0% 5%	per ksf	276 0 (14) 262
PROJECT TOTAL					4,239

Notes:

- Source: Institute of Transportation Engineers (ITE), *Trip Generation, 9th Edition*, 2012, unless otherwise noted.
- Conference facility trip estimates assume 2 functions per day and an average vehicle occupancy (AVO) of 2.0 attendees per vehicle. Functions generating trips during the weekday AM peak hour will be limited to 320 attendees.
- Internal capture assumed to be zero for Business as Usual scenario.
- Transit credit assumed to be minimal (5%) for Business as Usual scenario.
- Source for pass-by credits: Attachment I of LADOT's *Traffic Study Policies and Procedures*, August 2014.
- No daily rate available from ITE for museum. Daily rate assumed to be 10 x PM peak hour rate.
- Specialty retail (ITE code 826) used for museum store and other retail (used AM rate from code 820 since no AM rate is available for code 826).
- The Hall of Fame, Hall of Fame Store, other retail, quality restaurants, high-turnover sit-down restaurants, and fast food restaurants will not open for business until mid- to late-morning and thus will generate negligible trips during the AM peak hour.

TABLE E-2.2
DAILY TRIP GENERATION ESTIMATE - ANCILLARY USES
LAFC PROGRAM ON AN EVENT WEEKDAY (BUSINESS AS USUAL SCENARIO)

Land Use	ITE Land Use Code	Size	Trip Generation Rates [a]		Daily Trips
			Daily Rate	Trip Rate Unit	
Conference Facilities Persons Gross vehicles <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Conference		10.0 ksf 261 prsns AM 430 prsns PM [b]	2 1.00 0% 5%	per person	691 691 0 (35) 656
Hall of Fame <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Hall of Fame	580 [f]	0.0 ksf AM [h] 40.0 ksf PM	5.80 0% 5%	per ksf	232 0 (12) 220
Hall of Fame Store <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Hall of Fame Store	826 [g]	0.0 ksf AM [h] 15.0 ksf PM	44.32 0% 5% 10%	per ksf	665 0 (33) (63) 569
Other Retail (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [g]	0.0 ksf AM [h] 3.0 ksf PM	44.32 0% 5% 10%	per ksf	133 0 (7) (13) 113
Other Retail (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [g]	0.0 ksf AM [h] 12.0 ksf PM	44.32 0% 5% 10%	per ksf	532 0 (27) (51) 454
Quality Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Quality Restaurant	931	0.0 ksf AM [h] 6.0 ksf PM	89.95 0% 5% 10%	per ksf	540 0 (27) (51) 462
High-Turnover Sit-Down Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External High-Turnover Rest.	932	0.0 ksf AM [h] 5.0 ksf PM	127.15 0% 5% 20%	per ksf	636 0 (32) (121) 483
Fast Food Rest. (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	0.0 ksf AM [h] 1.5 ksf PM	716.00 0% 5% 50%	per ksf	1,074 0 (54) (510) 510
Fast Food Rest. (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	0.0 ksf AM [h] 1.5 ksf PM	716.00 0% 5% 50%	per ksf	1,074 0 (54) (510) 510
Office <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Office	710	25.0 ksf	11.03 0% 5%	per ksf	276 0 (14) 262
PROJECT TOTAL					4,239

Notes:

- Source: Institute of Transportation Engineers (ITE), *Trip Generation, 9th Edition*, 2012, unless otherwise noted.
- Conference facility trip estimates assume 2 functions per day and an average vehicle occupancy (AVO) of 2.0 attendees per vehicle. Functions generating trips during the weekday AM peak hour will be limited to 320 attendees.
- Internal capture assumed to be zero for Business as Usual scenario.
- Transit credit assumed to be minimal (5%) for Business as Usual scenario.
- Source for pass-by credits: Attachment I of LADOT's *Traffic Study Policies and Procedures*, August 2014.
- No daily rate available from ITE for museum. Daily rate assumed to be 10 x PM peak hour rate.
- Specialty retail (ITE code 826) used for museum store and other retail (used AM rate from code 820 since no AM rate is available for code 826).
- The Hall of Fame, Hall of Fame Store, other retail, quality restaurants, high-turnover sit-down restaurants, and fast food restaurants will not open for business until mid- to late-morning and thus will generate negligible trips during the AM peak hour.

TABLE E-2.3
DAILY TRIP GENERATION ESTIMATE - ANCILLARY USES
LAFC PROGRAM ON A NON-EVENT WEEKEND DAY (BUSINESS AS USUAL SCENARIO)

Land Use	ITE Land Use Code	Size	Trip Generation Rates [a]		Daily Trips
			Daily Rate	Trip Rate Unit	
Conference Facilities Persons Gross vehicles <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Conference		10.0 ksf 430 prsns AM 430 prsns PM [b]	2 1.00 0% 5%	per person	860 860 0 (43) 817
Hall of Fame <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Hall of Fame	580 [f]	0.0 ksf AM [h] 40.0 ksf PM	21.10 0% 5%	per ksf	844 0 (42) 802
Hall of Fame Store <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Hall of Fame Store	826 [g]	0.0 ksf AM [h] 15.0 ksf PM	42.04 0% 5% 10%	per ksf	631 0 (32) (60) 539
Other Retail (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [g]	0.0 ksf AM [h] 3.0 ksf PM	42.04 0% 5% 10%	per ksf	126 0 (6) (12) 108
Other Retail (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [g]	0.0 ksf AM [h] 12.0 ksf PM	42.04 0% 5% 10%	per ksf	504 0 (25) (48) 431
Quality Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Quality Restaurant	931	0.0 ksf AM [h] 6.0 ksf PM	94.36 0% 5% 10%	per ksf	566 0 (28) (54) 484
High-Turnover Sit-Down Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External High-Turnover Rest.	932	0.0 ksf AM [h] 5.0 ksf PM	158.37 0% 5% 20%	per ksf	792 0 (40) (150) 602
Fast Food Rest. (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	0.0 ksf AM [h] 1.5 ksf PM	696.00 0% 5% 50%	per ksf	1,044 0 (52) (496) 496
Fast Food Rest. (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	0.0 ksf AM [h] 1.5 ksf PM	696.00 0% 5% 50%	per ksf	1,044 0 (52) (496) 496
Office <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Office	710	25.0 ksf	2.46 0% 5%	per ksf	62 0 (3) 59
PROJECT TOTAL					4,834

Notes:

- Source: Institute of Transportation Engineers (ITE), *Trip Generation, 9th Edition*, 2012, unless otherwise noted.
- Conference facility trip estimates assume 2 functions per day and an average vehicle occupancy (AVO) of 2.0 attendees per vehicle. Functions generating trips during the weekday AM peak hour will be limited to 320 attendees.
- Internal capture assumed to be zero for Business as Usual scenario.
- Transit credit assumed to be minimal (5%) for Business as Usual scenario.
- Source for pass-by credits: Attachment I of LADOT's *Traffic Study Policies and Procedures*, August 2014.
- No daily rate available from ITE for museum. Daily rate assumed to be 10 x PM peak hour rate.
- Specialty retail (ITE code 826) used for museum store and other retail (used midday rate from code 820 since no midday rate is available for code 826).
- The Hall of Fame, Hall of Fame Store, other retail, quality restaurants, high-turnover sit-down restaurants, and fast food restaurants will not open for business until mid- to late-morning and thus will generate negligible trips during the AM peak hour.

TABLE E-2.4
DAILY TRIP GENERATION ESTIMATE - ANCILLARY USES
LAFC PROGRAM ON A WEEKEND EVENT DAY (BUSINESS AS USUAL SCENARIO)

Land Use	ITE Land Use Code	Size	Trip Generation Rates [a]		Daily Trips
			Daily Rate	Trip Rate Unit	
Conference Facilities Persons Gross vehicles <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Conference		10.0 ksf 430 prsns AM 430 prsns PM [b]	2 1.00 0% 5%	per person	860 860 0 (43) 817
Hall of Fame <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Hall of Fame	580 [f]	40.0 ksf AM [h] 40.0 ksf PM	21.10 0% 5%	per ksf	844 0 (42) 802
Hall of Fame Store <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Hall of Fame Store	826 [g]	15.0 ksf AM [h] 15.0 ksf PM	42.04 0% 5% 10%	per ksf	631 0 (32) (60) 539
Other Retail (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [g]	3.0 ksf AM [h] 3.0 ksf PM	42.04 0% 5% 10%	per ksf	126 0 (6) (12) 108
Other Retail (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [g]	12.0 ksf AM [h] 12.0 ksf PM	42.04 0% 5% 10%	per ksf	504 0 (25) (48) 431
Quality Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Quality Restaurant	931	6.0 ksf AM [h] 6.0 ksf PM	94.36 0% 5% 10%	per ksf	566 0 (28) (54) 484
High-Turnover Sit-Down Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External High-Turnover Rest.	932	5.0 ksf AM [h] 5.0 ksf PM	158.37 0% 5% 20%	per ksf	792 0 (40) (150) 602
Fast Food Rest. (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	1.5 ksf AM [h] 1.5 ksf PM	696.00 0% 5% 50%	per ksf	1,044 0 (52) (496) 496
Fast Food Rest. (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	1.5 ksf AM [h] 1.5 ksf PM	696.00 0% 5% 50%	per ksf	1,044 0 (52) (496) 496
Office <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Office	710	25.0 ksf	2.46 0% 5%	per ksf	62 0 (3) 59
PROJECT TOTAL					4,834

Notes:

- Source: Institute of Transportation Engineers (ITE), *Trip Generation, 9th Edition*, 2012, unless otherwise noted.
- Conference facility trip estimates assume 2 functions per day and an average vehicle occupancy (AVO) of 2.0 attendees per vehicle. Functions generating trips during the weekday AM peak hour will be limited to 320 attendees.
- Internal capture assumed to be zero for Business as Usual scenario.
- Transit credit assumed to be minimal (5%) for Business as Usual scenario.
- Source for pass-by credits: Attachment I of LADOT's *Traffic Study Policies and Procedures*, August 2014.
- No daily rate available from ITE for museum. Daily rate assumed to be 10 x PM peak hour rate.
- Specialty retail (ITE code 826) used for museum store and other retail (used midday rate from code 820 since no midday rate is available for code 826).
- The Hall of Fame, Hall of Fame Store, other retail, quality restaurants, high-turnover sit-down restaurants, and fast food restaurants will not open for business until mid- to late-morning and thus will generate negligible trips during the AM peak hour.

TABLE E-3
SUMMARY OF ESTIMATED DAILY TRIP GENERATION
BUSINESS AS USUAL SCENARIO, 8,500-PERSON EVENT

Weekday Non-Event Day		
Land Use	Size	Estimated Daily Trips
Stadium (patrons)	0 seats	0
Stadium (employees)	0 emp.	0
Conference Facilities	10.0 ksf	656
Museum	40.0 ksf	220
Team Store	15.0 ksf	569
Other Retail (fronting Figueroa)	3.0 ksf	113
Other Retail (not fronting Figueroa)	12.0 ksf	454
Quality Restaurant	6.0 ksf	462
High-Turnover Sit-Down Restaurant	5.0 ksf	483
Fast Food Rest. (fronting Figueroa)	1.5 ksf	510
Fast Food Rest. (not fronting Figueroa)	1.5 ksf	510
Office	25.0 ksf	262
PROJECT NET TRIPS		4,239

Weekend Non-Event Day		
Land Use	Size	Estimated Daily Trips
Stadium (patrons)	0 seats	0
Stadium (employees)	0 emp.	0
Conference Facilities	10.0 ksf	817
Museum	40.0 ksf	802
Team Store	15.0 ksf	539
Other Retail (fronting Figueroa)	3.0 ksf	108
Other Retail (not fronting Figueroa)	12.0 ksf	431
Quality Restaurant	6.0 ksf	484
High-Turnover Sit-Down Restaurant	5.0 ksf	602
Fast Food Rest. (fronting Figueroa)	1.5 ksf	496
Fast Food Rest. (not fronting Figueroa)	1.5 ksf	496
Office	25.0 ksf	59
PROJECT NET TRIPS		4,834

Weekday Event Day		
Land Use	Size	Estimated Daily Trips
Stadium (patrons)	8,500 seats	5,992
Stadium (employees)	490 emp.	608
Conference Facilities	10.0 ksf	656
Museum	40.0 ksf	220
Team Store	15.0 ksf	569
Other Retail (fronting Figueroa)	3.0 ksf	113
Other Retail (not fronting Figueroa)	12.0 ksf	454
Quality Restaurant	6.0 ksf	462
High-Turnover Sit-Down Restaurant	5.0 ksf	483
Fast Food Rest. (fronting Figueroa)	1.5 ksf	510
Fast Food Rest. (not fronting Figueroa)	1.5 ksf	510
Office	25.0 ksf	262
PROJECT NET TRIPS		10,839

Weekend Event Day		
Land Use	Size	Estimated Daily Trips
Stadium (patrons)	8,500 seats	5,396
Stadium (employees)	490 emp.	608
Conference Facilities	10.0 ksf	817
Museum	40.0 ksf	802
Team Store	15.0 ksf	539
Other Retail (fronting Figueroa)	3.0 ksf	108
Other Retail (not fronting Figueroa)	12.0 ksf	431
Quality Restaurant	6.0 ksf	484
High-Turnover Sit-Down Restaurant	5.0 ksf	602
Fast Food Rest. (fronting Figueroa)	1.5 ksf	496
Fast Food Rest. (not fronting Figueroa)	1.5 ksf	496
Office	12.0 ksf	59
PROJECT NET TRIPS		10,838

TABLE E-4.1
DAILY VEHICLE MILES TRAVELED ESTIMATION: WEEKDAY NON-EVENT DAY
BUSINESS AS USUAL SCENARIO, 8,500-PERSON EVENT

DAILY TRIP GENERATION BY TRIP TYPE

Land Use	Size	Daily Trips	Trip Productions						Trip Attractions					
			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type		
			Home Based	Home Based	Non-Home	Home Based	Home Based	Non-Home	Home Based	Home Based	Non-Home	Home Based	Home Based	Non-Home
			Work (HBW)	Other (HBO)	Based (NHB)	Work (HBW)	Other (HBO)	Based (NHB)	Work (HBW)	Other (HBO)	Based (NHB)	Work (HBW)	Other (HBO)	Based (NHB)
Stadium (patrons)	0 seats	0	0%	0%	10%	0	0	0	0%	80%	10%	0	0	0
Stadium (employees)	0 emp.	0	0%	0%	10%	0	0	0	80%	0%	10%	0	0	0
Conference Facilities	10,000 sf	656	0%	0%	15%	0	0	98	10%	60%	15%	66	394	98
Museum	40,000 sf	220	0%	0%	15%	0	0	33	10%	60%	15%	22	132	33
Team Store	15,000 sf	569	0%	0%	15%	0	0	85	10%	60%	15%	57	341	85
Other Retail (fronting Figueroa)	3,000 sf	113	0%	0%	15%	0	0	17	10%	60%	15%	11	68	17
Other Retail (not fronting Figueroa)	12,000 sf	454	0%	0%	15%	0	0	68	10%	60%	15%	45	272	68
Quality Restaurant	6,000 sf	462	0%	0%	15%	0	0	69	10%	60%	15%	46	277	69
High-Turnover Sit-Down Restaurant	5,000 sf	483	0%	0%	15%	0	0	72	10%	60%	15%	48	290	72
Fast Food Rest. (fronting Figueroa)	1,500 sf	510	0%	0%	15%	0	0	77	10%	60%	15%	51	306	77
Fast Food Rest. (not fronting Figueroa)	1,500 sf	510	0%	0%	15%	0	0	77	10%	60%	15%	51	306	77
Office	25,000 sf	262	0%	0%	15%	0	0	39	35%	35%	15%	92	92	39
Total		4,239				0	0	636				489	2,478	636

[1] Source: National Cooperative Highway Research Program Report 365 for all uses except stadium. Stadium estimated.

ESTIMATED DAILY VEHICLE MILES TRAVELED

Land Use	Productions			Attractions			Total
	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	
Stadium (patrons)	0	0	0	0	0	0	0
Stadium (employees)	0	0	0	0	0	0	0
Conference Facilities	0	0	490	870	2,760	590	4,710
Museum	0	0	170	290	920	200	1,580
Team Store	0	0	430	750	2,390	510	4,080
Other Retail (fronting Figueroa)	0	0	80	150	470	100	800
Other Retail (not fronting Figueroa)	0	0	340	600	1,910	410	3,260
Quality Restaurant	0	0	350	610	1,940	420	3,320
High-Turnover Sit-Down Restaurant	0	0	360	640	2,030	430	3,460
Fast Food Rest. (fronting Figueroa)	0	0	380	670	2,140	460	3,650
Fast Food Rest. (not fronting Figueroa)	0	0	380	670	2,140	460	3,650
Office	0	0	200	1,210	640	240	2,290
Total	0	0	3,180	6,460	17,340	3,820	30,800

AVERAGE TRIP LENGTHS BY TRIP TYPE

Trip Type	Average Trip Length (miles)	
	Productions	Attractions
Home Based Work	10.7	13.2
Home Based Other	5.3	7.0
Non-Home Based	5.0	6.0
Stadium Patrons	n/a	20.7

[2] Source: Calculated by Fehr & Peers for South Los Angeles Community Plan Area from Southern California Association of Governments' (SCAG's) 2012 Regional Transportation Plan model.

[3] Source: Calculated by Fehr & Peers from data regarding potential distribution of pro soccer fans within the Los Angeles area.

TABLE E-4.2
DAILY VEHICLE MILES TRAVELED ESTIMATION: WEEKDAY EVENT DAY
BUSINESS AS USUAL SCENARIO, 8,500-PERSON EVENT

DAILY TRIP GENERATION BY TRIP TYPE

Land Use	Size	Daily Trips	Trip Productions						Trip Attractions					
			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type		
			Home Based	Home Based	Non-Home	Home Based	Home Based	Non-Home	Home Based	Home Based	Non-Home	Home Based	Home Based	Non-Home
			Work (HBW)	Other (HBO)	Based (NHB)	Work (HBW)	Other (HBO)	Based (NHB)	Work (HBW)	Other (HBO)	Based (NHB)	Work (HBW)	Other (HBO)	Based (NHB)
Stadium (patrons)	8,500 seats	5,992	0%	0%	10%	0	0	599	0%	80%	10%	0	4,794	599
Stadium (employees)	490 emp.	608	0%	0%	10%	0	0	61	80%	0%	10%	486	0	61
Conference Facilities	10,000 sf	656	0%	0%	15%	0	0	98	10%	60%	15%	66	394	98
Museum	40,000 sf	220	0%	0%	15%	0	0	33	10%	60%	15%	22	132	33
Team Store	15,000 sf	569	0%	0%	15%	0	0	85	10%	60%	15%	57	341	85
Other Retail (fronting Figueroa)	3,000 sf	113	0%	0%	15%	0	0	17	10%	60%	15%	11	68	17
Other Retail (not fronting Figueroa)	12,000 sf	454	0%	0%	15%	0	0	68	10%	60%	15%	45	272	68
Quality Restaurant	6,000 sf	462	0%	0%	15%	0	0	69	10%	60%	15%	46	277	69
High-Turnover Sit-Down Restaurant	5,000 sf	483	0%	0%	15%	0	0	72	10%	60%	15%	48	290	72
Fast Food Rest. (fronting Figueroa)	1,500 sf	510	0%	0%	15%	0	0	77	10%	60%	15%	51	306	77
Fast Food Rest. (not fronting Figueroa)	1,500 sf	510	0%	0%	15%	0	0	77	10%	60%	15%	51	306	77
Office	25,000 sf	262	0%	0%	15%	0	0	39	35%	35%	15%	92	92	39
Total		10,839				0	0	1,296				976	7,272	1,296

[1] Source: National Cooperative Highway Research Program Report 365 for all uses except stadium. Stadium estimated.

ESTIMATED DAILY VEHICLE MILES TRAVELED

Land Use	Productions			Attractions			Total
	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	
Stadium (patrons)	0	0	3,000	0	99,230	3,600	105,830
Stadium (employees)	0	0	300	6,420	0	360	7,080
Conference Facilities	0	0	490	870	2,760	590	4,710
Museum	0	0	170	290	920	200	1,580
Team Store	0	0	430	750	2,390	510	4,080
Other Retail (fronting Figueroa)	0	0	80	150	470	100	800
Other Retail (not fronting Figueroa)	0	0	340	600	1,910	410	3,260
Quality Restaurant	0	0	350	610	1,940	420	3,320
High-Turnover Sit-Down Restaurant	0	0	360	640	2,030	430	3,460
Fast Food Rest. (fronting Figueroa)	0	0	380	670	2,140	460	3,650
Fast Food Rest. (not fronting Figueroa)	0	0	380	670	2,140	460	3,650
Office	0	0	200	1,210	640	240	2,290
Total	0	0	6,480	12,880	116,570	7,780	143,710

AVERAGE TRIP LENGTHS BY TRIP TYPE

Trip Type	Average Trip Length (miles)	
	Productions	Attractions
Home Based Work	10.7	13.2
Home Based Other	5.3	7.0
Non-Home Based	5.0	6.0
Stadium Patrons	n/a	20.7

[2] Source: Calculated by Fehr & Peers for South Los Angeles Community Plan Area from Southern California Association of Governments' (SCAG's) 2012 Regional Transportation Plan model.

[3] Source: Calculated by Fehr & Peers from data regarding potential distribution of pro soccer fans within the Los Angeles area.

TABLE E-4.3
DAILY VEHICLE MILES TRAVELED ESTIMATION: WEEKEND NON-EVENT DAY
BUSINESS AS USUAL SCENARIO, 8,500-PERSON EVENT

DAILY TRIP GENERATION BY TRIP TYPE														
Land Use	Size	Daily Trips	Trip Productions						Trip Attractions					
			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type		
			Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)
Stadium (patrons)	0 seats	0	0%	0%	10%	0	0	0	0%	80%	10%	0	0	0
Stadium (employees)	0 emp.	0	0%	0%	10%	0	0	0	80%	0%	10%	0	0	0
Conference Facilities	10,000 sf	817	0%	0%	15%	0	0	123	10%	60%	15%	82	490	123
Museum	40,000 sf	802	0%	0%	15%	0	0	120	10%	60%	15%	80	481	120
Team Store	15,000 sf	539	0%	0%	15%	0	0	81	10%	60%	15%	54	323	81
Other Retail (fronting Figueroa)	3,000 sf	108	0%	0%	15%	0	0	16	10%	60%	15%	11	65	16
Other Retail (not fronting Figueroa)	12,000 sf	431	0%	0%	15%	0	0	65	10%	60%	15%	43	259	65
Quality Restaurant	6,000 sf	484	0%	0%	15%	0	0	73	10%	60%	15%	48	290	73
High-Turnover Sit-Down Restaurant	5,000 sf	602	0%	0%	15%	0	0	90	10%	60%	15%	60	361	90
Fast Food Rest. (fronting Figueroa)	1,500 sf	496	0%	0%	15%	0	0	74	10%	60%	15%	50	298	74
Fast Food Rest. (not fronting Figueroa)	1,500 sf	496	0%	0%	15%	0	0	74	10%	60%	15%	50	298	74
Office	25,000 sf	59	0%	0%	15%	0	0	9	35%	35%	15%	21	21	9
Total		4,834				0	0	725				498	2,886	725

[1] Source: National Cooperative Highway Research Program Report 365 for all uses except stadium. Stadium estimated.

ESTIMATED DAILY VEHICLE MILES TRAVELED							
Land Use	Productions			Attractions			Total
	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	
Stadium (patrons)	0	0	0	0	0	0	0
Stadium (employees)	0	0	0	0	0	0	0
Conference Facilities	0	0	610	1,080	3,430	740	5,860
Museum	0	0	600	1,060	3,370	720	5,750
Team Store	0	0	400	710	2,260	490	3,860
Other Retail (fronting Figueroa)	0	0	80	140	450	100	770
Other Retail (not fronting Figueroa)	0	0	320	570	1,810	390	3,090
Quality Restaurant	0	0	360	640	2,030	440	3,470
High-Turnover Sit-Down Restaurant	0	0	450	790	2,530	540	4,310
Fast Food Rest. (fronting Figueroa)	0	0	370	650	2,080	450	3,550
Fast Food Rest. (not fronting Figueroa)	0	0	370	650	2,080	450	3,550
Office	0	0	40	270	140	50	500
Total	0	0	3,600	6,560	20,180	4,370	34,710

AVERAGE TRIP LENGTHS BY TRIP TYPE			
Trip Type	Average Trip Length (miles)		
	Productions	Attractions	
Home Based Work	10.7	13.2	[2]
Home Based Other	5.3	7.0	[2]
Non-Home Based	5.0	6.0	[2]
Stadium Patrons	n/a	20.7	[3]

[2] Source: Calculated by Fehr & Peers for South Los Angeles Community Plan Area from Southern California Association of Governments' (SCAG's) 2012 Regional Transportation Plan model.

[3] Source: Calculated by Fehr & Peers from data regarding potential distribution of pro soccer fans within the Los Angeles area.

TABLE E-4.4
DAILY VEHICLE MILES TRAVELED ESTIMATION: WEEKEND EVENT DAY
BUSINESS AS USUAL SCENARIO, 8,500-PERSON EVENT

DAILY TRIP GENERATION BY TRIP TYPE														
Land Use	Size	Daily Trips	Trip Productions						Trip Attractions					
			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type		
			Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)
Stadium (patrons)	8,500 seats	5,396	0%	0%	10%	0	0	540	0%	80%	10%	0	4,317	540
Stadium (employees)	490 emp.	608	0%	0%	10%	0	0	61	80%	0%	10%	486	0	61
Conference Facilities	10,000 sf	817	0%	0%	15%	0	0	123	10%	60%	15%	82	490	123
Museum	40,000 sf	802	0%	0%	15%	0	0	120	10%	60%	15%	80	481	120
Team Store	15,000 sf	539	0%	0%	15%	0	0	81	10%	60%	15%	54	323	81
Other Retail (fronting Figueroa)	3,000 sf	108	0%	0%	15%	0	0	16	10%	60%	15%	11	65	16
Other Retail (not fronting Figueroa)	12,000 sf	431	0%	0%	15%	0	0	65	10%	60%	15%	43	259	65
Quality Restaurant	6,000 sf	484	0%	0%	15%	0	0	73	10%	60%	15%	48	290	73
High-Turnover Sit-Down Restaurant	5,000 sf	602	0%	0%	15%	0	0	90	10%	60%	15%	60	361	90
Fast Food Rest. (fronting Figueroa)	1,500 sf	496	0%	0%	15%	0	0	74	10%	60%	15%	50	298	74
Fast Food Rest. (not fronting Figueroa)	1,500 sf	496	0%	0%	15%	0	0	74	10%	60%	15%	50	298	74
Office	25,000 sf	59	0%	0%	15%	0	0	9	35%	35%	15%	21	21	9
Total		10,838				0	0	1,326				985	7,202	1,326

[1] Source: National Cooperative Highway Research Program Report 365 for all uses except stadium. Stadium estimated.

ESTIMATED DAILY VEHICLE MILES TRAVELED							
Land Use	Productions			Attractions			Total
	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	
Stadium (patrons)	0	0	2,700	0	89,360	3,240	95,300
Stadium (employees)	0	0	300	6,420	0	360	7,080
Conference Facilities	0	0	610	1,080	3,430	740	5,860
Museum	0	0	600	1,060	3,370	720	5,750
Team Store	0	0	400	710	2,260	490	3,860
Other Retail (fronting Figueroa)	0	0	80	140	450	100	770
Other Retail (not fronting Figueroa)	0	0	320	570	1,810	390	3,090
Quality Restaurant	0	0	360	640	2,030	440	3,470
High-Turnover Sit-Down Restaurant	0	0	450	790	2,530	540	4,310
Fast Food Rest. (fronting Figueroa)	0	0	370	650	2,080	450	3,550
Fast Food Rest. (not fronting Figueroa)	0	0	370	650	2,080	450	3,550
Office	0	0	40	270	140	50	500
Total	0	0	6,600	12,980	109,540	7,970	137,090

AVERAGE TRIP LENGTHS BY TRIP TYPE		
Trip Type	Average Trip Length (miles)	
	Productions	Attractions
Home Based Work	10.7	13.2
Home Based Other	5.3	7.0
Non-Home Based	5.0	6.0
Stadium Patrons	n/a	20.7

[2] Source: Calculated by Fehr & Peers for South Los Angeles Community Plan Area from Southern California Association of Governments' (SCAG's) 2012 Regional Transportation Plan model.

[3] Source: Calculated by Fehr & Peers from data regarding potential distribution of pro soccer fans within the Los Angeles area.

ATTACHMENT F

DAILY VMT ESTIMATION WORKSHEETS

BUSINESS AS USUAL SCENARIO, 22,000-PERSON EVENT

TABLE F-1
DAILY TRIP GENERATION FOR EVENTS AT STADIUM
BUSINESS AS USUAL SCENARIO, 22,000-PERSON EVENT

MODE SPLIT ASSUMPTIONS						
Trip Type	Scenario	Personal Auto	Shared Ride (Taxi, etc.)	Charter Bus	Transit	Bike/ Walk
Spectators	Weekday	85%	5%	3%	5%	2%
	Weekend	85%	5%	3%	5%	2%
Employees	Weekday	93%	0%	0%	5%	2%
	Weekend	93%	0%	0%	5%	2%

DISTRIBUTION OF PERSON TRIPS ACROSS DIFFERENT TRAVEL MODES							
Trip Type	Scenario	Personal Auto	Shared Ride (Taxi, etc.)	Charter Bus	Transit	Bike/ Walk	Total
Spectators (22,000)	Weekday	18,700	1,100	660	1,100	440	22,000
	Weekend	18,700	1,100	660	1,100	440	22,000
Employees (1,260)	Weekday	1,172	0	0	63	25	1,260
	Weekend	1,172	0	0	63	25	1,260

VEHICLE OCCUPANCY ASSUMPTIONS				
Trip Type	Scenario	AVO	Shared Ride (Taxi, etc.)	Charter Bus
Spectators	Weekday	2.7	2.7	40
	Weekend	3.0	3.0	40
Employees	Weekday	1.5	n/a	n/a
	Weekend	1.5	n/a	n/a

VEHICLE TRIP GENERATION ESTIMATE					
Trip Type	Scenario	Total Personal Autos	Shared Ride Vehicles	Charter Buses	Total Daily Trips
Spectators	Weekday	6,926	407	17	15,514
	Weekend	6,233	367	17	13,968
Employees	Weekday	781	0	0	1,562
	Weekend	781	0	0	1,562
TOTAL	Weekday	7,707	407	17	17,076
	Weekend	7,014	367	17	15,530

TABLE F-2.1
DAILY TRIP GENERATION ESTIMATE - ANCILLARY USES
LAFC PROGRAM ON A NON-EVENT WEEKDAY (BUSINESS AS USUAL SCENARIO)

Land Use	ITE Land Use Code	Size	Trip Generation Rates [a]		Daily Trips
			Daily Rate	Trip Rate Unit	
Conference Facilities Persons Gross vehicles <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Conference		10.0 ksf 261 prsns AM 430 prsns PM [b]	2 1.00 0% 5%	per person	691 691 0 (35) 656
Hall of Fame <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Hall of Fame	580 [f]	0.0 ksf AM [h] 40.0 ksf PM	5.80 0% 5%	per ksf	232 0 (12) 220
Hall of Fame Store <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Hall of Fame Store	826 [g]	0.0 ksf AM [h] 15.0 ksf PM	44.32 0% 5% 10%	per ksf	665 0 (33) (63) 569
Other Retail (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [g]	0.0 ksf AM [h] 3.0 ksf PM	44.32 0% 5% 10%	per ksf	133 0 (7) (13) 113
Other Retail (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [g]	0.0 ksf AM [h] 12.0 ksf PM	44.32 0% 5% 10%	per ksf	532 0 (27) (51) 454
Quality Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Quality Restaurant	931	0.0 ksf AM [h] 6.0 ksf PM	89.95 0% 5% 10%	per ksf	540 0 (27) (51) 462
High-Turnover Sit-Down Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External High-Turnover Rest.	932	0.0 ksf AM [h] 5.0 ksf PM	127.15 0% 5% 20%	per ksf	636 0 (32) (121) 483
Fast Food Rest. (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	0.0 ksf AM [h] 1.5 ksf PM	716.00 0% 5% 50%	per ksf	1,074 0 (54) (510) 510
Fast Food Rest. (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	0.0 ksf AM [h] 1.5 ksf PM	716.00 0% 5% 50%	per ksf	1,074 0 (54) (510) 510
Office <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Office	710	25.0 ksf	11.03 0% 5%	per ksf	276 0 (14) 262
PROJECT TOTAL					4,239

Notes:

- Source: Institute of Transportation Engineers (ITE), *Trip Generation, 9th Edition*, 2012, unless otherwise noted.
- Conference facility trip estimates assume 2 functions per day and an average vehicle occupancy (AVO) of 2.0 attendees per vehicle. Functions generating trips during the weekday AM peak hour will be limited to 320 attendees.
- Internal capture assumed to be zero for Business as Usual scenario.
- Transit credit assumed to be minimal (5%) for Business as Usual scenario.
- Source for pass-by credits: Attachment I of LADOT's *Traffic Study Policies and Procedures*, August 2014.
- No daily rate available from ITE for museum. Daily rate assumed to be 10 x PM peak hour rate.
- Specialty retail (ITE code 826) used for museum store and other retail (used AM rate from code 820 since no AM rate is available for code 826).
- The Hall of Fame, Hall of Fame Store, other retail, quality restaurants, high-turnover sit-down restaurants, and fast food restaurants will not open for business until mid- to late-morning and thus will generate negligible trips during the AM peak hour.

TABLE F-2.2
DAILY TRIP GENERATION ESTIMATE - ANCILLARY USES
LAFC PROGRAM ON AN EVENT WEEKDAY (BUSINESS AS USUAL SCENARIO)

Land Use	ITE Land Use Code	Size	Trip Generation Rates [a]		Daily Trips
			Daily Rate	Trip Rate Unit	
Conference Facilities Persons Gross vehicles <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Conference		10.0 ksf 261 prsns AM 430 prsns PM [b]	2 1.00 0% 5%	per person	691 691 0 (35) 656
Hall of Fame <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Hall of Fame	580 [f]	0.0 ksf AM [h] 40.0 ksf PM	5.80 0% 5%	per ksf	232 0 (12) 220
Hall of Fame Store <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Hall of Fame Store	826 [g]	0.0 ksf AM [h] 15.0 ksf PM	44.32 0% 5% 10%	per ksf	665 0 (33) (63) 569
Other Retail (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [g]	0.0 ksf AM [h] 3.0 ksf PM	44.32 0% 5% 10%	per ksf	133 0 (7) (13) 113
Other Retail (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [g]	0.0 ksf AM [h] 12.0 ksf PM	44.32 0% 5% 10%	per ksf	532 0 (27) (51) 454
Quality Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Quality Restaurant	931	0.0 ksf AM [h] 6.0 ksf PM	89.95 0% 5% 10%	per ksf	540 0 (27) (51) 462
High-Turnover Sit-Down Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External High-Turnover Rest.	932	0.0 ksf AM [h] 5.0 ksf PM	127.15 0% 5% 20%	per ksf	636 0 (32) (121) 483
Fast Food Rest. (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	0.0 ksf AM [h] 1.5 ksf PM	716.00 0% 5% 50%	per ksf	1,074 0 (54) (510) 510
Fast Food Rest. (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	0.0 ksf AM [h] 1.5 ksf PM	716.00 0% 5% 50%	per ksf	1,074 0 (54) (510) 510
Office <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Office	710	25.0 ksf	11.03 0% 5%	per ksf	276 0 (14) 262
PROJECT TOTAL					4,239

Notes:

- Source: Institute of Transportation Engineers (ITE), *Trip Generation, 9th Edition*, 2012, unless otherwise noted.
- Conference facility trip estimates assume 2 functions per day and an average vehicle occupancy (AVO) of 2.0 attendees per vehicle. Functions generating trips during the weekday AM peak hour will be limited to 320 attendees.
- Internal capture assumed to be zero for Business as Usual scenario.
- Transit credit assumed to be minimal (5%) for Business as Usual scenario.
- Source for pass-by credits: Attachment I of LADOT's *Traffic Study Policies and Procedures*, August 2014.
- No daily rate available from ITE for museum. Daily rate assumed to be 10 x PM peak hour rate.
- Specialty retail (ITE code 826) used for museum store and other retail (used AM rate from code 820 since no AM rate is available for code 826).
- The Hall of Fame, Hall of Fame Store, other retail, quality restaurants, high-turnover sit-down restaurants, and fast food restaurants will not open for business until mid- to late-morning and thus will generate negligible trips during the AM peak hour.

TABLE F-2.3
DAILY TRIP GENERATION ESTIMATE - ANCILLARY USES
LAFC PROGRAM ON A NON-EVENT WEEKEND DAY (BUSINESS AS USUAL SCENARIO)

Land Use	ITE Land Use Code	Size	Trip Generation Rates [a]		Daily Trips
			Daily Rate	Trip Rate Unit	
Conference Facilities Persons Gross vehicles <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Conference		10.0 ksf 430 prsns AM 430 prsns PM [b]	2 1.00 0% 5%	per person	860 860 0 (43) 817
Hall of Fame <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Hall of Fame	580 [f]	0.0 ksf AM [h] 40.0 ksf PM	21.10 0% 5%	per ksf	844 0 (42) 802
Hall of Fame Store <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Hall of Fame Store	826 [g]	0.0 ksf AM [h] 15.0 ksf PM	42.04 0% 5% 10%	per ksf	631 0 (32) (60) 539
Other Retail (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [g]	0.0 ksf AM [h] 3.0 ksf PM	42.04 0% 5% 10%	per ksf	126 0 (6) (12) 108
Other Retail (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [g]	0.0 ksf AM [h] 12.0 ksf PM	42.04 0% 5% 10%	per ksf	504 0 (25) (48) 431
Quality Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Quality Restaurant	931	0.0 ksf AM [h] 6.0 ksf PM	94.36 0% 5% 10%	per ksf	566 0 (28) (54) 484
High-Turnover Sit-Down Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External High-Turnover Rest.	932	0.0 ksf AM [h] 5.0 ksf PM	158.37 0% 5% 20%	per ksf	792 0 (40) (150) 602
Fast Food Rest. (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	0.0 ksf AM [h] 1.5 ksf PM	696.00 0% 5% 50%	per ksf	1,044 0 (52) (496) 496
Fast Food Rest. (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	0.0 ksf AM [h] 1.5 ksf PM	696.00 0% 5% 50%	per ksf	1,044 0 (52) (496) 496
Office <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Office	710	25.0 ksf	2.46 0% 5%	per ksf	62 0 (3) 59
PROJECT TOTAL					4,834

Notes:

- Source: Institute of Transportation Engineers (ITE), *Trip Generation, 9th Edition*, 2012, unless otherwise noted.
- Conference facility trip estimates assume 2 functions per day and an average vehicle occupancy (AVO) of 2.0 attendees per vehicle. Functions generating trips during the weekday AM peak hour will be limited to 320 attendees.
- Internal capture assumed to be zero for Business as Usual scenario.
- Transit credit assumed to be minimal (5%) for Business as Usual scenario.
- Source for pass-by credits: Attachment I of LADOT's *Traffic Study Policies and Procedures*, August 2014.
- No daily rate available from ITE for museum. Daily rate assumed to be 10 x PM peak hour rate.
- Specialty retail (ITE code 826) used for museum store and other retail (used midday rate from code 820 since no midday rate is available for code 826).
- The Hall of Fame, Hall of Fame Store, other retail, quality restaurants, high-turnover sit-down restaurants, and fast food restaurants will not open for business until mid- to late-morning and thus will generate negligible trips during the AM peak hour.

TABLE F-2.4
DAILY TRIP GENERATION ESTIMATE - ANCILLARY USES
LAFC PROGRAM ON A WEEKEND EVENT DAY (BUSINESS AS USUAL SCENARIO)

Land Use	ITE Land Use Code	Size	Trip Generation Rates [a]		Daily Trips
			Daily Rate	Trip Rate Unit	
Conference Facilities Persons Gross vehicles <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Conference		10.0 ksf 430 prsns AM 430 prsns PM [b]	2 1.00 0% 5%	per person	860 860 0 (43) 817
Hall of Fame <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Hall of Fame	580 [f]	40.0 ksf AM [h] 40.0 ksf PM	21.10 0% 5%	per ksf	844 0 (42) 802
Hall of Fame Store <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Hall of Fame Store	826 [g]	15.0 ksf AM [h] 15.0 ksf PM	42.04 0% 5% 10%	per ksf	631 0 (32) (60) 539
Other Retail (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [g]	3.0 ksf AM [h] 3.0 ksf PM	42.04 0% 5% 10%	per ksf	126 0 (6) (12) 108
Other Retail (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [g]	12.0 ksf AM [h] 12.0 ksf PM	42.04 0% 5% 10%	per ksf	504 0 (25) (48) 431
Quality Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Quality Restaurant	931	6.0 ksf AM [h] 6.0 ksf PM	94.36 0% 5% 10%	per ksf	566 0 (28) (54) 484
High-Turnover Sit-Down Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External High-Turnover Rest.	932	5.0 ksf AM [h] 5.0 ksf PM	158.37 0% 5% 20%	per ksf	792 0 (40) (150) 602
Fast Food Rest. (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	1.5 ksf AM [h] 1.5 ksf PM	696.00 0% 5% 50%	per ksf	1,044 0 (52) (496) 496
Fast Food Rest. (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	1.5 ksf AM [h] 1.5 ksf PM	696.00 0% 5% 50%	per ksf	1,044 0 (52) (496) 496
Office <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Office	710	25.0 ksf	2.46 0% 5%	per ksf	62 0 (3) 59
PROJECT TOTAL					4,834

Notes:

- Source: Institute of Transportation Engineers (ITE), *Trip Generation, 9th Edition*, 2012, unless otherwise noted.
- Conference facility trip estimates assume 2 functions per day and an average vehicle occupancy (AVO) of 2.0 attendees per vehicle. Functions generating trips during the weekday AM peak hour will be limited to 320 attendees.
- Internal capture assumed to be zero for Business as Usual scenario.
- Transit credit assumed to be minimal (5%) for Business as Usual scenario.
- Source for pass-by credits: Attachment I of LADOT's *Traffic Study Policies and Procedures*, August 2014.
- No daily rate available from ITE for museum. Daily rate assumed to be 10 x PM peak hour rate.
- Specialty retail (ITE code 826) used for museum store and other retail (used midday rate from code 820 since no midday rate is available for code 826).
- The Hall of Fame, Hall of Fame Store, other retail, quality restaurants, high-turnover sit-down restaurants, and fast food restaurants will not open for business until mid- to late-morning and thus will generate negligible trips during the AM peak hour.

TABLE F-3
SUMMARY OF ESTIMATED DAILY TRIP GENERATION
BUSINESS AS USUAL SCENARIO, 22,000-PERSON EVENT

Weekday Non-Event Day		
Land Use	Size	Estimated Daily Trips
Stadium (patrons)	0 seats	0
Stadium (employees)	0 emp.	0
Conference Facilities	10.0 ksf	656
Museum	40.0 ksf	220
Team Store	15.0 ksf	569
Other Retail (fronting Figueroa)	3.0 ksf	113
Other Retail (not fronting Figueroa)	12.0 ksf	454
Quality Restaurant	6.0 ksf	462
High-Turnover Sit-Down Restaurant	5.0 ksf	483
Fast Food Rest. (fronting Figueroa)	1.5 ksf	510
Fast Food Rest. (not fronting Figueroa)	1.5 ksf	510
Office	25.0 ksf	262
PROJECT NET TRIPS		4,239

Weekend Non-Event Day		
Land Use	Size	Estimated Daily Trips
Stadium (patrons)	0 seats	0
Stadium (employees)	0 emp.	0
Conference Facilities	10.0 ksf	817
Museum	40.0 ksf	802
Team Store	15.0 ksf	539
Other Retail (fronting Figueroa)	3.0 ksf	108
Other Retail (not fronting Figueroa)	12.0 ksf	431
Quality Restaurant	6.0 ksf	484
High-Turnover Sit-Down Restaurant	5.0 ksf	602
Fast Food Rest. (fronting Figueroa)	1.5 ksf	496
Fast Food Rest. (not fronting Figueroa)	1.5 ksf	496
Office	25.0 ksf	59
PROJECT NET TRIPS		4,834

Weekday Event Day		
Land Use	Size	Estimated Daily Trips
Stadium (patrons)	22,000 seats	15,514
Stadium (employees)	1,260 emp.	1,562
Conference Facilities	10.0 ksf	656
Museum	40.0 ksf	220
Team Store	15.0 ksf	569
Other Retail (fronting Figueroa)	3.0 ksf	113
Other Retail (not fronting Figueroa)	12.0 ksf	454
Quality Restaurant	6.0 ksf	462
High-Turnover Sit-Down Restaurant	5.0 ksf	483
Fast Food Rest. (fronting Figueroa)	1.5 ksf	510
Fast Food Rest. (not fronting Figueroa)	1.5 ksf	510
Office	25.0 ksf	262
PROJECT NET TRIPS		21,315

Weekend Event Day		
Land Use	Size	Estimated Daily Trips
Stadium (patrons)	22,000 seats	13,968
Stadium (employees)	1,260 emp.	1,562
Conference Facilities	10.0 ksf	817
Museum	40.0 ksf	802
Team Store	15.0 ksf	539
Other Retail (fronting Figueroa)	3.0 ksf	108
Other Retail (not fronting Figueroa)	12.0 ksf	431
Quality Restaurant	6.0 ksf	484
High-Turnover Sit-Down Restaurant	5.0 ksf	602
Fast Food Rest. (fronting Figueroa)	1.5 ksf	496
Fast Food Rest. (not fronting Figueroa)	1.5 ksf	496
Office	12.0 ksf	59
PROJECT NET TRIPS		20,364

TABLE F-4.1
DAILY VEHICLE MILES TRAVELED ESTIMATION: WEEKDAY NON-EVENT DAY
BUSINESS AS USUAL SCENARIO, 22,000-PERSON EVENT

DAILY TRIP GENERATION BY TRIP TYPE														
Land Use	Size	Daily Trips	Trip Productions						Trip Attractions					
			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type		
			Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)
Stadium (patrons)	0 seats	0	0%	0%	10%	0	0	0	0%	80%	10%	0	0	0
Stadium (employees)	0 emp.	0	0%	0%	10%	0	0	0	80%	0%	10%	0	0	0
Conference Facilities	10,000 sf	656	0%	0%	15%	0	0	98	10%	60%	15%	66	394	98
Museum	40,000 sf	220	0%	0%	15%	0	0	33	10%	60%	15%	22	132	33
Team Store	15,000 sf	569	0%	0%	15%	0	0	85	10%	60%	15%	57	341	85
Other Retail (fronting Figueroa)	3,000 sf	113	0%	0%	15%	0	0	17	10%	60%	15%	11	68	17
Other Retail (not fronting Figueroa)	12,000 sf	454	0%	0%	15%	0	0	68	10%	60%	15%	45	272	68
Quality Restaurant	6,000 sf	462	0%	0%	15%	0	0	69	10%	60%	15%	46	277	69
High-Turnover Sit-Down Restaurant	5,000 sf	483	0%	0%	15%	0	0	72	10%	60%	15%	48	290	72
Fast Food Rest. (fronting Figueroa)	1,500 sf	510	0%	0%	15%	0	0	77	10%	60%	15%	51	306	77
Fast Food Rest. (not fronting Figueroa)	1,500 sf	510	0%	0%	15%	0	0	77	10%	60%	15%	51	306	77
Office	25,000 sf	262	0%	0%	15%	0	0	39	35%	35%	15%	92	92	39
Total		4,239				0	0	636				489	2,478	636

[1] Source: National Cooperative Highway Research Program Report 365 for all uses except stadium. Stadium estimated.

ESTIMATED DAILY VEHICLE MILES TRAVELED							
Land Use	Productions			Attractions			Total
	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	
Stadium (patrons)	0	0	0	0	0	0	0
Stadium (employees)	0	0	0	0	0	0	0
Conference Facilities	0	0	490	870	2,760	590	4,710
Museum	0	0	170	290	920	200	1,580
Team Store	0	0	430	750	2,390	510	4,080
Other Retail (fronting Figueroa)	0	0	80	150	470	100	800
Other Retail (not fronting Figueroa)	0	0	340	600	1,910	410	3,260
Quality Restaurant	0	0	350	610	1,940	420	3,320
High-Turnover Sit-Down Restaurant	0	0	360	640	2,030	430	3,460
Fast Food Rest. (fronting Figueroa)	0	0	380	670	2,140	460	3,650
Fast Food Rest. (not fronting Figueroa)	0	0	380	670	2,140	460	3,650
Office	0	0	200	1,210	640	240	2,290
Total	0	0	3,180	6,460	17,340	3,820	30,800

AVERAGE TRIP LENGTHS BY TRIP TYPE			
Trip Type	Average Trip Length (miles)		
	Productions	Attractions	
Home Based Work	10.7	13.2	[2]
Home Based Other	5.3	7.0	[2]
Non-Home Based	5.0	6.0	[2]
Stadium Patrons	n/a	20.7	[3]

[2] Source: Calculated by Fehr & Peers for South Los Angeles Community Plan Area from Southern California Association of Governments' (SCAG's) 2012 Regional Transportation Plan model.

[3] Source: Calculated by Fehr & Peers from data regarding potential distribution of pro soccer fans within the Los Angeles area.

TABLE F-4.2
DAILY VEHICLE MILES TRAVELED ESTIMATION: WEEKDAY EVENT DAY
BUSINESS AS USUAL SCENARIO, 22,000-PERSON EVENT

DAILY TRIP GENERATION BY TRIP TYPE														
Land Use	Size	Daily Trips	Trip Productions						Trip Attractions					
			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type		
			Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)
Stadium (patrons)	22,000 seats	15,514	0%	0%	10%	0	0	1,551	0%	80%	10%	0	12,411	1,551
Stadium (employees)	1,260 emp.	1,562	0%	0%	10%	0	0	156	80%	0%	10%	1,250	0	156
Conference Facilities	10,000 sf	656	0%	0%	15%	0	0	98	10%	60%	15%	66	394	98
Museum	40,000 sf	220	0%	0%	15%	0	0	33	10%	60%	15%	22	132	33
Team Store	15,000 sf	569	0%	0%	15%	0	0	85	10%	60%	15%	57	341	85
Other Retail (fronting Figueroa)	3,000 sf	113	0%	0%	15%	0	0	17	10%	60%	15%	11	68	17
Other Retail (not fronting Figueroa)	12,000 sf	454	0%	0%	15%	0	0	68	10%	60%	15%	45	272	68
Quality Restaurant	6,000 sf	462	0%	0%	15%	0	0	69	10%	60%	15%	46	277	69
High-Turnover Sit-Down Restaurant	5,000 sf	483	0%	0%	15%	0	0	72	10%	60%	15%	48	290	72
Fast Food Rest. (fronting Figueroa)	1,500 sf	510	0%	0%	15%	0	0	77	10%	60%	15%	51	306	77
Fast Food Rest. (not fronting Figueroa)	1,500 sf	510	0%	0%	15%	0	0	77	10%	60%	15%	51	306	77
Office	25,000 sf	262	0%	0%	15%	0	0	39	35%	35%	15%	92	92	39
Total		21,315				0	0	2,343				1,739	14,889	2,343

[1] - Source: National Cooperative Highway Research Program Report 365 for all uses except stadium. Stadium estimated.

ESTIMATED DAILY VEHICLE MILES TRAVELED							
Land Use	Productions			Attractions			Total
	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	
Stadium (patrons)	0	0	7,760	0	256,910	9,310	273,980
Stadium (employees)	0	0	780	16,490	0	940	18,210
Conference Facilities	0	0	490	870	2,760	590	4,710
Museum	0	0	170	290	920	200	1,580
Team Store	0	0	430	750	2,390	510	4,080
Other Retail (fronting Figueroa)	0	0	80	150	470	100	800
Other Retail (not fronting Figueroa)	0	0	340	600	1,910	410	3,260
Quality Restaurant	0	0	350	610	1,940	420	3,320
High-Turnover Sit-Down Restaurant	0	0	360	640	2,030	430	3,460
Fast Food Rest. (fronting Figueroa)	0	0	380	670	2,140	460	3,650
Fast Food Rest. (not fronting Figueroa)	0	0	380	670	2,140	460	3,650
Office	0	0	200	1,210	640	240	2,290
Total	0	0	11,720	22,950	274,250	14,070	322,990

AVERAGE TRIP LENGTHS BY TRIP TYPE		
Trip Type	Average Trip Length (miles)	
	Productions	Attractions
Home Based Work	10.7	13.2
Home Based Other	5.3	7.0
Non-Home Based	5.0	6.0
Stadium Patrons	n/a	20.7

[2] Source: Calculated by Fehr & Peers for South Los Angeles Community Plan Area from Southern California Association of Governments' (SCAG's) 2012 Regional Transportation Plan model.

[3] Source: Calculated by Fehr & Peers from data regarding potential distribution of pro soccer fans within the Los Angeles area.

TABLE F-4.3
DAILY VEHICLE MILES TRAVELED ESTIMATION: WEEKEND NON-EVENT DAY
BUSINESS AS USUAL SCENARIO, 22,000-PERSON EVENT

DAILY TRIP GENERATION BY TRIP TYPE														
Land Use	Size	Daily Trips	Trip Productions						Trip Attractions					
			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type		
			Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)
Stadium (patrons)	0 seats	0	0%	0%	10%	0	0	0	0%	80%	10%	0	0	0
Stadium (employees)	0 emp.	0	0%	0%	10%	0	0	0	80%	0%	10%	0	0	0
Conference Facilities	10,000 sf	817	0%	0%	15%	0	0	123	10%	60%	15%	82	490	123
Museum	40,000 sf	802	0%	0%	15%	0	0	120	10%	60%	15%	80	481	120
Team Store	15,000 sf	539	0%	0%	15%	0	0	81	10%	60%	15%	54	323	81
Other Retail (fronting Figueroa)	3,000 sf	108	0%	0%	15%	0	0	16	10%	60%	15%	11	65	16
Other Retail (not fronting Figueroa)	12,000 sf	431	0%	0%	15%	0	0	65	10%	60%	15%	43	259	65
Quality Restaurant	6,000 sf	484	0%	0%	15%	0	0	73	10%	60%	15%	48	290	73
High-Turnover Sit-Down Restaurant	5,000 sf	602	0%	0%	15%	0	0	90	10%	60%	15%	60	361	90
Fast Food Rest. (fronting Figueroa)	1,500 sf	496	0%	0%	15%	0	0	74	10%	60%	15%	50	298	74
Fast Food Rest. (not fronting Figueroa)	1,500 sf	496	0%	0%	15%	0	0	74	10%	60%	15%	50	298	74
Office	25,000 sf	59	0%	0%	15%	0	0	9	35%	35%	15%	21	21	9
Total		4,834				0	0	725				498	2,886	725

[1] - Source: National Cooperative Highway Research Program Report 365 for all uses except stadium. Stadium estimated.

ESTIMATED DAILY VEHICLE MILES TRAVELED							
Land Use	Productions			Attractions			Total
	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	
Stadium (patrons)	0	0	0	0	0	0	0
Stadium (employees)	0	0	0	0	0	0	0
Conference Facilities	0	0	610	1,080	3,430	740	5,860
Museum	0	0	600	1,060	3,370	720	5,750
Team Store	0	0	400	710	2,260	490	3,860
Other Retail (fronting Figueroa)	0	0	80	140	450	100	770
Other Retail (not fronting Figueroa)	0	0	320	570	1,810	390	3,090
Quality Restaurant	0	0	360	640	2,030	440	3,470
High-Turnover Sit-Down Restaurant	0	0	450	790	2,530	540	4,310
Fast Food Rest. (fronting Figueroa)	0	0	370	650	2,080	450	3,550
Fast Food Rest. (not fronting Figueroa)	0	0	370	650	2,080	450	3,550
Office	0	0	40	270	140	50	500
Total	0	0	3,600	6,560	20,180	4,370	34,710

AVERAGE TRIP LENGTHS BY TRIP TYPE			
Trip Type	Average Trip Length (miles)		
	Productions	Attractions	
Home Based Work	10.7	13.2	[2]
Home Based Other	5.3	7.0	[2]
Non-Home Based	5.0	6.0	[2]
Stadium Patrons	n/a	20.7	[3]

[2] Source: Calculated by Fehr & Peers for South Los Angeles Community Plan Area from Southern California Association of Governments' (SCAG's) 2012 Regional Transportation Plan model.

[3] Source: Calculated by Fehr & Peers from data regarding potential distribution of pro soccer fans within the Los Angeles area.

TABLE F-4.4
DAILY VEHICLE MILES TRAVELED ESTIMATION: WEEKEND EVENT DAY
BUSINESS AS USUAL SCENARIO, 22,000-PERSON EVENT

DAILY TRIP GENERATION BY TRIP TYPE														
Land Use	Size	Daily Trips	Trip Productions						Trip Attractions					
			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type		
			Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)
Stadium (patrons)	22,000 seats	13,968	0%	0%	10%	0	0	1,397	0%	80%	10%	0	11,174	1,397
Stadium (employees)	1,260 emp.	1,562	0%	0%	10%	0	0	156	80%	0%	10%	1,250	0	156
Conference Facilities	10,000 sf	817	0%	0%	15%	0	0	123	10%	60%	15%	82	490	123
Museum	40,000 sf	802	0%	0%	15%	0	0	120	10%	60%	15%	80	481	120
Team Store	15,000 sf	539	0%	0%	15%	0	0	81	10%	60%	15%	54	323	81
Other Retail (fronting Figueroa)	3,000 sf	108	0%	0%	15%	0	0	16	10%	60%	15%	11	65	16
Other Retail (not fronting Figueroa)	12,000 sf	431	0%	0%	15%	0	0	65	10%	60%	15%	43	259	65
Quality Restaurant	6,000 sf	484	0%	0%	15%	0	0	73	10%	60%	15%	48	290	73
High-Turnover Sit-Down Restaurant	5,000 sf	602	0%	0%	15%	0	0	90	10%	60%	15%	60	361	90
Fast Food Rest. (fronting Figueroa)	1,500 sf	496	0%	0%	15%	0	0	74	10%	60%	15%	50	298	74
Fast Food Rest. (not fronting Figueroa)	1,500 sf	496	0%	0%	15%	0	0	74	10%	60%	15%	50	298	74
Office	25,000 sf	59	0%	0%	15%	0	0	9	35%	35%	15%	21	21	9
Total		20,364				0	0	2,278				1,748	14,060	2,278

[1] - Source: National Cooperative Highway Research Program Report 365 for all uses except stadium. Stadium estimated.

ESTIMATED DAILY VEHICLE MILES TRAVELED							
Land Use	Productions			Attractions			Total
	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	
Stadium (patrons)	0	0	6,980	0	231,310	8,380	246,670
Stadium (employees)	0	0	780	16,490	0	940	18,210
Conference Facilities	0	0	610	1,080	3,430	740	5,860
Museum	0	0	600	1,060	3,370	720	5,750
Team Store	0	0	400	710	2,260	490	3,860
Other Retail (fronting Figueroa)	0	0	80	140	450	100	770
Other Retail (not fronting Figueroa)	0	0	320	570	1,810	390	3,090
Quality Restaurant	0	0	360	640	2,030	440	3,470
High-Turnover Sit-Down Restaurant	0	0	450	790	2,530	540	4,310
Fast Food Rest. (fronting Figueroa)	0	0	370	650	2,080	450	3,550
Fast Food Rest. (not fronting Figueroa)	0	0	370	650	2,080	450	3,550
Office	0	0	40	270	140	50	500
Total	0	0	11,360	23,050	251,490	13,690	299,590

AVERAGE TRIP LENGTHS BY TRIP TYPE		
Trip Type	Average Trip Length (miles)	
	Productions	Attractions
Home Based Work	10.7	13.2
Home Based Other	5.3	7.0
Non-Home Based	5.0	6.0
Stadium Patrons	n/a	20.7

[2] Source: Calculated by Fehr & Peers for South Los Angeles Community Plan Area from Southern California Association of Governments' (SCAG's) 2012 Regional Transportation Plan model.

[3] Source: Calculated by Fehr & Peers from data regarding potential distribution of pro soccer fans within the Los Angeles area.

ATTACHMENT G

**DAILY VMT ESTIMATION WORKSHEETS
PROJECT SCENARIO, 4,500-PERSON EVENT**

TABLE G-1
DAILY TRIP GENERATION FOR EVENTS AT STADIUM
PROJECT SCENARIO, 4,500-PERSON EVENT

MODE SPLIT ASSUMPTIONS						
Trip Type	Scenario	Personal Auto	Shared Ride (Taxi, etc.)	Charter Bus	Transit	Bike/ Walk
Spectators	Weekday	75%	5%	3%	15%	2%
	Weekend	75%	5%	3%	15%	2%
Employees	Weekday	83%	0%	0%	15%	2%
	Weekend	83%	0%	0%	15%	2%

DISTRIBUTION OF PERSON TRIPS ACROSS DIFFERENT TRAVEL MODES							
Trip Type	Scenario	Personal Auto	Shared Ride (Taxi, etc.)	Charter Bus	Transit	Bike/ Walk	Total
Spectators (4,500)	Weekday	3,375	225	135	675	90	4,500
	Weekend	3,375	225	135	675	90	4,500
Employees (0,260)	Weekday	216	0	0	39	5	260
	Weekend	216	0	0	39	5	260

VEHICLE OCCUPANCY ASSUMPTIONS				
Trip Type	Scenario	AVO	Shared Ride (Taxi, etc.)	Charter Bus
Spectators	Weekday	2.7	2.7	40
	Weekend	3.0	3.0	40
Employees	Weekday	1.5	n/a	n/a
	Weekend	1.5	n/a	n/a

VEHICLE TRIP GENERATION ESTIMATE					
Trip Type	Scenario	Total Personal Autos	Shared Ride Vehicles	Charter Buses	Total Daily Trips
Spectators	Weekday	1,250	83	3	2,838
	Weekend	1,125	75	3	2,556
Employees	Weekday	144	0	0	288
	Weekend	144	0	0	288
TOTAL	Weekday	1,394	83	3	3,126
	Weekend	1,269	75	3	2,844

TABLE G-2.1
DAILY TRIP GENERATION ESTIMATE - ANCILLARY USES
LAFC PROGRAM ON A NON-EVENT WEEKDAY (PROJECT SCENARIO)

Land Use	ITE Land Use Code	Size	Trip Generation Rates [a]		Daily Trips
			Daily Rate	Trip Rate Unit	
Conference Facilities Persons Gross vehicles <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Conference		10.0 ksf 261 prsns AM 430 prsns PM [b]	2 1.00 13% 15%	per person	691 691 (88) (90) 513
Hall of Fame <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Hall of Fame	580 [g]	0.0 ksf AM [i] 40.0 ksf PM	5.80 52% 15%	per ksf	232 (121) (17) 94
Hall of Fame Store <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Hall of Fame Store	826 [h]	0.0 ksf AM [i] 15.0 ksf PM	44.32 68% 15% 10%	per ksf	665 (454) (32) (18) 161
Other Retail (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [h]	0.0 ksf AM [i] 3.0 ksf PM	44.32 15% 15% 10%	per ksf	133 (20) (17) (10) 86
Other Retail (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [h]	0.0 ksf AM [i] 12.0 ksf PM	44.32 67% 15% 10%	per ksf	532 (355) (27) (15) 135
Quality Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Quality Restaurant	931	0.0 ksf AM [i] 6.0 ksf PM	89.95 43% 15% 10%	per ksf	540 (233) (46) (26) 235
High-Turnover Sit-Down Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External High-Turnover Rest.	932	0.0 ksf AM [i] 5.0 ksf PM	127.15 43% 15% 20%	per ksf	636 (274) (54) (62) 246
Fast Food Rest. (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	0.0 ksf AM [i] 1.5 ksf PM	716.00 15% 15% 50%	per ksf	1,074 (161) (137) (388) 388
Fast Food Rest. (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	0.0 ksf AM [i] 1.5 ksf PM	716.00 43% 15% 50%	per ksf	1,074 (465) (91) (259) 259
Office <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Office	710	25.0 ksf	11.03 12% 15%	per ksf	276 (33) (36) 207
PROJECT TOTAL					2,324

Notes:

- Source: Institute of Transportation Engineers (ITE), *Trip Generation, 9th Edition*, 2012, unless otherwise noted.
- Conference facility trip estimates assume 2 functions per day and an average vehicle occupancy (AVO) of 2.0 attendees per vehicle. Functions generating trips during the weekday AM peak hour will be limited to 320 attendees.
- Internal capture represents the percentage of trips between land uses that occur within the site. Estimated using internal capture rates from ITE *Trip Generation Handbook, 3rd Edition*, 2014, Tables 6.1 and 6.2, balanced to the constrained end of the internal trip. Considers internalization between the various Project uses as well as between the Project and the California Science Center.
- LADOT's *Traffic Study Policies and Procedures*, August 2014, state that a 15% transit credit may be taken for projects within 1/4 mile of a transit station or rapid bus stop. The Expo Park/USC LRT station, the Harbor Transitway 37th St/USC station, and Metro Rapid 754 on Vermont individually are each beyond 1/4 mile but are each within 0.30 to 0.37 miles. Given the proximity of all three services, however, the combined effect of the three is considered to be 15%.
- Source for pass-by credits: Attachment I of LADOT's *Traffic Study Policies and Procedures*, August 2014.
- Internal capture for fast food restaurant and other retail possibly along the Figueroa Street frontage capped at 15% to reflect the potential that these uses attract a greater level of external trips given their location.
- No daily rate available from ITE for museum. Daily rate assumed to be 10 x PM peak hour rate.
- Specialty retail (ITE code 826) used for museum store and other retail (used AM rate from code 820 since no AM rate is available for code 826).
- The Hall of Fame, Hall of Fame Store, other retail, quality restaurants, high-turnover sit-down restaurants, and fast food restaurants will not open for business until mid- to late-morning and thus will generate negligible trips during the AM peak hour.

TABLE G-2.2
DAILY TRIP GENERATION ESTIMATE - ANCILLARY USES
LAFC PROGRAM ON AN EVENT WEEKDAY (PROJECT SCENARIO)

Land Use	ITE Land Use Code	Size	Trip Generation Rates [a]		Daily Trips
			Daily Rate	Trip Rate Unit	
Conference Facilities Persons Gross vehicles <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Conference		10.0 ksf 261 prsns AM 430 prsns PM [b]	1 1.00 12% 15%	per person	261 261 (30) <u>(35)</u> 196
Hall of Fame <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Hall of Fame	580 [g]	0.0 ksf AM [i] 40.0 ksf PM	5.80 76% 15%	per ksf	232 (177) (8) 47
Hall of Fame Store <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Hall of Fame Store	826 [h]	0.0 ksf AM [i] 15.0 ksf PM	44.32 84% 15% 10%	per ksf	665 (560) (16) (9) 80
Other Retail (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [h]	0.0 ksf AM [i] 3.0 ksf PM	44.32 58% 15% 10%	per ksf	133 (76) (9) (5) 43
Other Retail (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [h]	0.0 ksf AM [i] 12.0 ksf PM	44.32 83% 15% 10%	per ksf	532 (443) (13) (8) 68
Quality Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Quality Restaurant	931	0.0 ksf AM [i] 6.0 ksf PM	89.95 72% 15% 10%	per ksf	540 (387) (23) (13) 117
High-Turnover Sit-Down Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External High-Turnover Rest.	932	0.0 ksf AM [i] 5.0 ksf PM	127.15 72% 15% 20%	per ksf	636 (455) (27) (31) 123
Fast Food Rest. (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	0.0 ksf AM [i] 1.5 ksf PM	716.00 58% 15% 50%	per ksf	1,074 (618) (68) (194) 194
Fast Food Rest. (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	0.0 ksf AM [i] 1.5 ksf PM	716.00 72% 15% 50%	per ksf	1,074 (770) (46) (129) 129
Office <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Office	710	25.0 ksf	11.03 59% 15%	per ksf	276 (163) (17) 96
PROJECT TOTAL					1,093

Notes:

- Source: Institute of Transportation Engineers (ITE), *Trip Generation, 9th Edition*, 2012, unless otherwise noted.
- Conference facility trip estimates assume 1 independent function per day on days with an event in the stadium and an average vehicle occupancy (AVO) of 2.0 attendees per vehicle. Functions generating trips during the weekday AM peak hour will be limited to 320 attendees.
- Internal capture represents the percentage of trips between land uses that occur within the site. Estimated using internal capture rates from ITE *Trip Generation Handbook, 3rd Edition*, 2014, Tables 6.1 and 6.2, balanced to the constrained end of the internal trip. Considers internalization between the various Project uses as well as between the Project and the California Science Center. Internal capture for ancillary uses is 100% when events are occurring in the stadium.
- LADOT's *Traffic Study Policies and Procedures*, August 2014, state that a 15% transit credit may be taken for projects within 1/4 mile of a transit station or rapid bus stop. The Expo Park/USC LRT station, the Harbor Transitway 37th St/USC station, and Metro Rapid 754 on Vermont individually are each beyond 1/4 mile but are each within 0.30 to 0.37 miles. Given the proximity of all three services, however, the combined effect of the three is considered to be 15%.
- Source for pass-by credits: Attachment I of LADOT's *Traffic Study Policies and Procedures*, August 2014.
- Internal capture for fast food restaurant and other retail possibly along the Figueroa Street frontage capped at 15% during non-event periods to reflect the potential that these uses attract a greater level of external trips given their location.
- No daily rate available from ITE for museum. Daily rate assumed to be 10 x PM peak hour rate.
- Specialty retail (ITE code 826) used for museum store and other retail (used AM rate from code 820 since no AM rate is available for code
- The Hall of Fame, Hall of Fame Store, other retail, quality restaurants, high-turnover sit-down restaurants, and fast food restaurants will not open for business until mid- to late-morning and thus will generate negligible trips during the AM peak hour.

TABLE G-2.3
DAILY TRIP GENERATION ESTIMATE - ANCILLARY USES
LAFC PROGRAM ON A NON-EVENT WEEKEND DAY (PROJECT SCENARIO)

Land Use	ITE Land Use Code	Size	Trip Generation Rates [a]		Daily Trips
			Daily Rate	Trip Rate Unit	
Conference Facilities Persons Gross vehicles <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Conference		10.0 ksf 430 prsns AM 430 prsns PM [b]	2 1.00 27% 15%	per person	860 860 (231) (94) 535
Hall of Fame <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Hall of Fame	580 [g]	0.0 ksf AM [i] 40.0 ksf PM	21.10 46% 15%	per ksf	844 (392) (68) 384
Hall of Fame Store <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Hall of Fame Store	826 [h]	0.0 ksf AM [i] 15.0 ksf PM	42.04 71% 15% 10%	per ksf	631 (447) (28) (16) 140
Other Retail (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [h]	0.0 ksf AM [i] 3.0 ksf PM	42.04 15% 15% 10%	per ksf	126 (19) (16) (9) 82
Other Retail (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [h]	0.0 ksf AM [i] 12.0 ksf PM	42.04 71% 15% 10%	per ksf	504 (356) (22) (13) 113
Quality Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Quality Restaurant	931	0.0 ksf AM [i] 6.0 ksf PM	94.36 55% 15% 10%	per ksf	566 (313) (38) (22) 193
High-Turnover Sit-Down Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External High-Turnover Rest.	932	0.0 ksf AM [i] 5.0 ksf PM	158.37 57% 15% 20%	per ksf	792 (453) (51) (58) 230
Fast Food Rest. (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	0.0 ksf AM [i] 1.5 ksf PM	696.00 15% 15% 50%	per ksf	1,044 (157) (133) (377) 377
Fast Food Rest. (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	0.0 ksf AM [i] 1.5 ksf PM	696.00 59% 15% 50%	per ksf	1,044 (611) (65) (184) 184
Office <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Office	710	25.0 ksf	2.46 30% 15%	per ksf	62 (19) (6) 37
PROJECT TOTAL					2,275

Notes:

- Source: Institute of Transportation Engineers (ITE), *Trip Generation, 9th Edition*, 2012, unless otherwise noted.
- Conference facility trip estimates assume 2 functions per day and an average vehicle occupancy (AVO) of 2.0 attendees per vehicle. Functions generating trips during the weekday AM peak hour will be limited to 320 attendees.
- Internal capture represents the percentage of trips between land uses that occur within the site. Estimated using internal capture rates from ITE *Trip Generation Handbook, 3rd Edition*, 2014, Tables 6.1 and 6.2, balanced to the constrained end of the internal trip. Considers internalization between the various Project uses as well as between the Project and the California Science Center.
- LADOT's *Traffic Study Policies and Procedures*, August 2014, state that a 15% transit credit may be taken for projects within 1/4 mile of a transit station or rapid bus stop. The Expo Park/USC LRT station, the Harbor Transitway 37th St/USC station, and Metro Rapid 754 on Vermont individually are each beyond 1/4 mile but are each within 0.30 to 0.37 miles. Given the proximity of all three services, however, the combined effect of the three is considered to be 15%.
- Source for pass-by credits: Attachment I of LADOT's *Traffic Study Policies and Procedures*, August 2014.
- Internal capture for fast food restaurant and other retail possibly along the Figueroa Street frontage capped at 15% to reflect the potential that these uses attract a greater level of external trips given their location.
- No daily rate available from ITE for museum. Daily rate assumed to be 10 x PM peak hour rate.
- Specialty retail (ITE code 826) used for museum store and other retail (used midday rate from code 820 since no midday rate is available for code 826).
- The Hall of Fame, Hall of Fame Store, other retail, quality restaurants, high-turnover sit-down restaurants, and fast food restaurants will not open for business until mid- to late-morning and thus will generate negligible trips during the AM peak hour.

TABLE G-2.4
DAILY TRIP GENERATION ESTIMATE - ANCILLARY USES
LAFC PROGRAM ON A WEEKEND EVENT DAY (PROJECT SCENARIO)

Land Use	ITE Land Use Code	Size	Trip Generation Rates [a]		Daily Trips
			Daily Rate	Trip Rate Unit	
Conference Facilities Persons Gross vehicles <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Conference		10.0 ksf 430 prsns AM 430 prsns PM [b]	1 1.00 20% 15%	per person	430 430 (87) <u>(51)</u> 292
Hall of Fame <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Hall of Fame	580 [g]	40.0 ksf AM [i] 40.0 ksf PM	21.10 73% 15%	per ksf	844 (618) <u>(34)</u> 192
Hall of Fame Store <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Hall of Fame Store	826 [h]	15.0 ksf AM [i] 15.0 ksf PM	42.04 85% 15% 10%	per ksf	631 (539) (14) <u>(8)</u> 70
Other Retail (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [h]	3.0 ksf AM [i] 3.0 ksf PM	42.04 58% 15% 10%	per ksf	126 (72) (8) <u>(5)</u> 41
Other Retail (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [h]	12.0 ksf AM [i] 12.0 ksf PM	42.04 85% 15% 10%	per ksf	504 (430) (11) <u>(6)</u> 57
Quality Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Quality Restaurant	931	6.0 ksf AM [i] 6.0 ksf PM	94.36 78% 15% 10%	per ksf	566 (440) (19) <u>(11)</u> 96
High-Turnover Sit-Down Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External High-Turnover Rest.	932	5.0 ksf AM [i] 5.0 ksf PM	158.37 79% 15% 20%	per ksf	792 (622) (26) <u>(29)</u> 115
Fast Food Rest. (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	1.5 ksf AM [i] 1.5 ksf PM	696.00 58% 15% 50%	per ksf	1,044 (600) (67) <u>(189)</u> 188
Fast Food Rest. (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	1.5 ksf AM [i] 1.5 ksf PM	696.00 79% 15% 50%	per ksf	1,044 (828) (32) <u>(92)</u> 92
Office <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Office	710	25.0 ksf	2.46 73% 15%	per ksf	62 (45) <u>(3)</u> 14
PROJECT TOTAL					1,157

Notes:

- Source: Institute of Transportation Engineers (ITE), *Trip Generation, 9th Edition*, 2012, unless otherwise noted.
- Conference facility trip estimates assume 1 independent function per day on days with an event in the stadium and an average vehicle occupancy (AVO) of 2.0 attendees per vehicle. Functions generating trips during the weekday AM peak hour will be limited to 320 attendees.
- Internal capture represents the percentage of trips between land uses that occur within the site. Estimated using internal capture rates from ITE *Trip Generation Handbook, 3rd Edition*, 2014, Tables 6.1 and 6.2, balanced to the constrained end of the internal trip. Considers internalization between the various Project uses as well as between the Project and the California Science Center. Internal capture for ancillary uses is 100% when events are occurring in the stadium.
- LADOT's *Traffic Study Policies and Procedures*, August 2014, state that a 15% transit credit may be taken for projects within 1/4 mile of a transit station or rapid bus stop. The Expo Park/USC LRT station, the Harbor Transitway 37th St/USC station, and Metro Rapid 754 on Vermont individually are each beyond 1/4 mile but are each within 0.30 to 0.37 miles. Given the proximity of all three services, however, the combined effect of the three is considered to be 15%.
- Source for pass-by credits: Attachment I of LADOT's *Traffic Study Policies and Procedures*, August 2014.
- Internal capture for fast food restaurant and other retail possibly along the Figueroa Street frontage capped at 15% during non-event periods to reflect the potential that these uses attract a greater level of external trips given their location.
- No daily rate available from ITE for museum. Daily rate assumed to be 10 x PM peak hour rate.
- Specialty retail (ITE code 826) used for museum store and other retail (used midday rate from code 820 since no midday rate is available for
- The Hall of Fame, Hall of Fame Store, other retail, quality restaurants, high-turnover sit-down restaurants, and fast food restaurants will not open for business until mid- to late-morning and thus will generate negligible trips during the AM peak hour.

TABLE G-3
SUMMARY OF ESTIMATED DAILY TRIP GENERATION
PROJECT SCENARIO, 4,500-PERSON EVENT

Weekday Non-Event Day		
Land Use	Size	Estimated Daily Trips
Stadium (patrons)	0 seats	0
Stadium (employees)	0 emp.	0
Conference Facilities	10.0 ksf	513
Museum	40.0 ksf	94
Team Store	15.0 ksf	161
Other Retail (fronting Figueroa)	3.0 ksf	86
Other Retail (not fronting Figueroa)	12.0 ksf	135
Quality Restaurant	6.0 ksf	235
High-Turnover Sit-Down Restaurant	5.0 ksf	246
Fast Food Rest. (fronting Figueroa)	1.5 ksf	388
Fast Food Rest. (not fronting Figueroa)	1.5 ksf	259
Office	25.0 ksf	207
PROJECT NET TRIPS		2,324

Weekend Non-Event Day		
Land Use	Size	Estimated Daily Trips
Stadium (patrons)	0 seats	0
Stadium (employees)	0 emp.	0
Conference Facilities	10.0 ksf	535
Museum	40.0 ksf	384
Team Store	15.0 ksf	140
Other Retail (fronting Figueroa)	3.0 ksf	82
Other Retail (not fronting Figueroa)	12.0 ksf	113
Quality Restaurant	6.0 ksf	193
High-Turnover Sit-Down Restaurant	5.0 ksf	230
Fast Food Rest. (fronting Figueroa)	1.5 ksf	377
Fast Food Rest. (not fronting Figueroa)	1.5 ksf	184
Office	25.0 ksf	37
PROJECT NET TRIPS		2,275

Weekday Event Day		
Land Use	Size	Estimated Daily Trips
Stadium (patrons)	4,500 seats	2,838
Stadium (employees)	260 emp.	288
Conference Facilities	10.0 ksf	196
Museum	40.0 ksf	47
Team Store	15.0 ksf	80
Other Retail (fronting Figueroa)	3.0 ksf	43
Other Retail (not fronting Figueroa)	12.0 ksf	68
Quality Restaurant	6.0 ksf	117
High-Turnover Sit-Down Restaurant	5.0 ksf	123
Fast Food Rest. (fronting Figueroa)	1.5 ksf	194
Fast Food Rest. (not fronting Figueroa)	1.5 ksf	129
Office	25.0 ksf	96
PROJECT NET TRIPS		4,219

Weekend Event Day		
Land Use	Size	Estimated Daily Trips
Stadium (patrons)	4,500 seats	2,556
Stadium (employees)	260 emp.	288
Conference Facilities	10.0 ksf	292
Museum	40.0 ksf	192
Team Store	15.0 ksf	70
Other Retail (fronting Figueroa)	3.0 ksf	41
Other Retail (not fronting Figueroa)	12.0 ksf	57
Quality Restaurant	6.0 ksf	96
High-Turnover Sit-Down Restaurant	5.0 ksf	115
Fast Food Rest. (fronting Figueroa)	1.5 ksf	188
Fast Food Rest. (not fronting Figueroa)	1.5 ksf	92
Office	12.0 ksf	14
PROJECT NET TRIPS		4,001

TABLE G-4.1
DAILY VEHICLE MILES TRAVELED ESTIMATION: WEEKDAY NON-EVENT DAY
PROJECT SCENARIO, 4,500-PERSON EVENT

DAILY TRIP GENERATION BY TRIP TYPE														
Land Use	Size	Daily Trips	Trip Productions						Trip Attractions					
			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type		
			Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)
Stadium (patrons)	0 seats	0	0%	0%	10%	0	0	0	0%	80%	10%	0	0	0
Stadium (employees)	0 emp.	0	0%	0%	10%	0	0	0	80%	0%	10%	0	0	0
Conference Facilities	10,000 sf	513	0%	0%	15%	0	0	77	10%	60%	15%	51	308	77
Museum	40,000 sf	94	0%	0%	15%	0	0	14	10%	60%	15%	9	56	14
Team Store	15,000 sf	161	0%	0%	15%	0	0	24	10%	60%	15%	16	97	24
Other Retail (fronting Figueroa)	3,000 sf	86	0%	0%	15%	0	0	13	10%	60%	15%	9	52	13
Other Retail (not fronting Figueroa)	12,000 sf	135	0%	0%	15%	0	0	20	10%	60%	15%	14	81	20
Quality Restaurant	6,000 sf	235	0%	0%	15%	0	0	35	10%	60%	15%	24	141	35
High-Turnover Sit-Down Restaurant	5,000 sf	246	0%	0%	15%	0	0	37	10%	60%	15%	25	148	37
Fast Food Rest. (fronting Figueroa)	1,500 sf	388	0%	0%	15%	0	0	58	10%	60%	15%	39	233	58
Fast Food Rest. (not fronting Figueroa)	1,500 sf	259	0%	0%	15%	0	0	39	10%	60%	15%	26	155	39
Office	25,000 sf	207	0%	0%	15%	0	0	31	35%	35%	15%	72	72	31
Total		2,324				0	0	349				284	1,343	349

[1] Source: National Cooperative Highway Research Program Report 365 for all uses except stadium. Stadium estimated.

ESTIMATED DAILY VEHICLE MILES TRAVELED							
Land Use	Productions			Attractions			Total
	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	
Stadium (patrons)	0	0	0	0	0	0	0
Stadium (employees)	0	0	0	0	0	0	0
Conference Facilities	0	0	380	680	2,150	460	3,670
Museum	0	0	70	120	390	80	660
Team Store	0	0	120	210	680	140	1,150
Other Retail (fronting Figueroa)	0	0	60	110	360	80	610
Other Retail (not fronting Figueroa)	0	0	100	180	570	120	970
Quality Restaurant	0	0	180	310	990	210	1,690
High-Turnover Sit-Down Restaurant	0	0	180	320	1,030	220	1,750
Fast Food Rest. (fronting Figueroa)	0	0	290	510	1,630	350	2,780
Fast Food Rest. (not fronting Figueroa)	0	0	190	340	1,090	230	1,850
Office	0	0	160	960	510	190	1,820
Total	0	0	1,730	3,740	9,400	2,080	16,950

AVERAGE TRIP LENGTHS BY TRIP TYPE			
Trip Type	Average Trip Length (miles)		
	Productions	Attractions	
Home Based Work	10.7	13.2	[2]
Home Based Other	5.3	7.0	[2]
Non-Home Based	5.0	6.0	[2]
Stadium Patrons	n/a	20.7	[3]

[2] Source: Calculated by Fehr & Peers for South Los Angeles Community Plan Area from Southern California Association of Governments' (SCAG's) 2012 Regional Transportation Plan model.

[3] Source: Calculated by Fehr & Peers from data regarding potential distribution of pro soccer fans within the Los Angeles area.

TABLE G-4.2
DAILY VEHICLE MILES TRAVELED ESTIMATION: WEEKDAY EVENT DAY
PROJECT SCENARIO, 4,500-PERSON EVENT

DAILY TRIP GENERATION BY TRIP TYPE

Land Use	Size	Daily Trips	Trip Productions						Trip Attractions					
			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type		
			Home Based	Home Based	Non-Home	Home Based	Home Based	Non-Home	Home Based	Home Based	Non-Home	Home Based	Home Based	Non-Home
			Work (HBW)	Other (HBO)	Based (NHB)	Work (HBW)	Other (HBO)	Based (NHB)	Work (HBW)	Other (HBO)	Based (NHB)	Work (HBW)	Other (HBO)	Based (NHB)
Stadium (patrons)	4,500 seats	2,838	0%	0%	10%	0	0	284	0%	80%	10%	0	2,270	284
Stadium (employees)	260 emp.	288	0%	0%	10%	0	0	29	80%	0%	10%	230	0	29
Conference Facilities	10,000 sf	196	0%	0%	15%	0	0	29	10%	60%	15%	20	118	29
Museum	40,000 sf	47	0%	0%	15%	0	0	7	10%	60%	15%	5	28	7
Team Store	15,000 sf	80	0%	0%	15%	0	0	12	10%	60%	15%	8	48	12
Other Retail (fronting Figueroa)	3,000 sf	43	0%	0%	15%	0	0	6	10%	60%	15%	4	26	6
Other Retail (not fronting Figueroa)	12,000 sf	68	0%	0%	15%	0	0	10	10%	60%	15%	7	41	10
Quality Restaurant	6,000 sf	117	0%	0%	15%	0	0	18	10%	60%	15%	12	70	18
High-Turnover Sit-Down Restaurant	5,000 sf	123	0%	0%	15%	0	0	18	10%	60%	15%	12	74	18
Fast Food Rest. (fronting Figueroa)	1,500 sf	194	0%	0%	15%	0	0	29	10%	60%	15%	19	116	29
Fast Food Rest. (not fronting Figueroa)	1,500 sf	129	0%	0%	15%	0	0	19	10%	60%	15%	13	77	19
Office	25,000 sf	96	0%	0%	15%	0	0	14	35%	35%	15%	34	34	14
Total		4,219				0	0	477				364	2,902	477

[1] Source: National Cooperative Highway Research Program Report 365 for all uses except stadium. Stadium estimated.

ESTIMATED DAILY VEHICLE MILES TRAVELED

Land Use	Productions			Attractions			Total
	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	
Stadium (patrons)	0	0	1,420	0	47,000	1,700	50,120
Stadium (employees)	0	0	140	3,040	0	170	3,350
Conference Facilities	0	0	150	260	820	180	1,410
Museum	0	0	40	60	200	40	340
Team Store	0	0	60	110	340	70	580
Other Retail (fronting Figueroa)	0	0	30	60	180	40	310
Other Retail (not fronting Figueroa)	0	0	50	90	290	60	490
Quality Restaurant	0	0	90	150	490	110	840
High-Turnover Sit-Down Restaurant	0	0	90	160	520	110	880
Fast Food Rest. (fronting Figueroa)	0	0	150	260	810	170	1,390
Fast Food Rest. (not fronting Figueroa)	0	0	100	170	540	120	930
Office	0	0	70	440	240	90	840
Total	0	0	2,390	4,800	51,430	2,860	61,480

AVERAGE TRIP LENGTHS BY TRIP TYPE

Trip Type	Average Trip Length (miles)	
	Productions	Attractions
Home Based Work	10.7	13.2
Home Based Other	5.3	7.0
Non-Home Based	5.0	6.0
Stadium Patrons	n/a	20.7

[2] Source: Calculated by Fehr & Peers for South Los Angeles Community Plan Area from Southern California Association of Governments' (SCAG's) 2012 Regional Transportation Plan model.

[3] Source: Calculated by Fehr & Peers from data regarding potential distribution of pro soccer fans within the Los Angeles area.

TABLE G-4.3
DAILY VEHICLE MILES TRAVELED ESTIMATION: WEEKEND NON-EVENT DAY
PROJECT SCENARIO, 4,500-PERSON EVENT

DAILY TRIP GENERATION BY TRIP TYPE														
Land Use	Size	Daily Trips	Trip Productions						Trip Attractions					
			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type		
			Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)
Stadium (patrons)	0 seats	0	0%	0%	10%	0	0	0	0%	80%	10%	0	0	0
Stadium (employees)	0 emp.	0	0%	0%	10%	0	0	0	80%	0%	10%	0	0	0
Conference Facilities	10,000 sf	535	0%	0%	15%	0	0	80	10%	60%	15%	54	321	80
Museum	40,000 sf	384	0%	0%	15%	0	0	58	10%	60%	15%	38	230	58
Team Store	15,000 sf	140	0%	0%	15%	0	0	21	10%	60%	15%	14	84	21
Other Retail (fronting Figueroa)	3,000 sf	82	0%	0%	15%	0	0	12	10%	60%	15%	8	49	12
Other Retail (not fronting Figueroa)	12,000 sf	113	0%	0%	15%	0	0	17	10%	60%	15%	11	68	17
Quality Restaurant	6,000 sf	193	0%	0%	15%	0	0	29	10%	60%	15%	19	116	29
High-Turnover Sit-Down Restaurant	5,000 sf	230	0%	0%	15%	0	0	35	10%	60%	15%	23	138	35
Fast Food Rest. (fronting Figueroa)	1,500 sf	377	0%	0%	15%	0	0	57	10%	60%	15%	38	226	57
Fast Food Rest. (not fronting Figueroa)	1,500 sf	184	0%	0%	15%	0	0	28	10%	60%	15%	18	110	28
Office	25,000 sf	37	0%	0%	15%	0	0	6	35%	35%	15%	13	13	6
Total		2,275				0	0	341				237	1,356	341

[1] Source: National Cooperative Highway Research Program Report 365 for all uses except stadium. Stadium estimated.

ESTIMATED DAILY VEHICLE MILES TRAVELED							
Land Use	Productions			Attractions			Total
	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	
Stadium (patrons)	0	0	0	0	0	0	0
Stadium (employees)	0	0	0	0	0	0	0
Conference Facilities	0	0	400	710	2,250	480	3,840
Museum	0	0	290	510	1,610	350	2,760
Team Store	0	0	110	180	590	130	1,010
Other Retail (fronting Figueroa)	0	0	60	110	340	70	580
Other Retail (not fronting Figueroa)	0	0	80	150	470	100	800
Quality Restaurant	0	0	140	250	810	170	1,370
High-Turnover Sit-Down Restaurant	0	0	170	300	970	210	1,650
Fast Food Rest. (fronting Figueroa)	0	0	280	500	1,580	340	2,700
Fast Food Rest. (not fronting Figueroa)	0	0	140	240	770	170	1,320
Office	0	0	30	170	90	30	320
Total	0	0	1,700	3,120	9,480	2,050	16,350

AVERAGE TRIP LENGTHS BY TRIP TYPE			
Trip Type	Average Trip Length (miles)		
	Productions	Attractions	
Home Based Work	10.7	13.2	[2]
Home Based Other	5.3	7.0	[2]
Non-Home Based	5.0	6.0	[2]
Stadium Patrons	n/a	20.7	[3]

[2] Source: Calculated by Fehr & Peers for South Los Angeles Community Plan Area from Southern California Association of Governments' (SCAG's) 2012 Regional Transportation Plan model.

[3] Source: Calculated by Fehr & Peers from data regarding potential distribution of pro soccer fans within the Los Angeles area.

TABLE G-4.4
DAILY VEHICLE MILES TRAVELED ESTIMATION: WEEKEND EVENT DAY
PROJECT SCENARIO, 4,500-PERSON EVENT

DAILY TRIP GENERATION BY TRIP TYPE														
Land Use	Size	Daily Trips	Trip Productions						Trip Attractions					
			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type		
			Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)
Stadium (patrons)	4,500 seats	2,556	0%	0%	10%	0	0	256	0%	80%	10%	0	2,045	256
Stadium (employees)	260 emp.	288	0%	0%	10%	0	0	29	80%	0%	10%	230	0	29
Conference Facilities	10,000 sf	292	0%	0%	15%	0	0	44	10%	60%	15%	29	175	44
Museum	40,000 sf	192	0%	0%	15%	0	0	29	10%	60%	15%	19	115	29
Team Store	15,000 sf	70	0%	0%	15%	0	0	11	10%	60%	15%	7	42	11
Other Retail (fronting Figueroa)	3,000 sf	41	0%	0%	15%	0	0	6	10%	60%	15%	4	25	6
Other Retail (not fronting Figueroa)	12,000 sf	57	0%	0%	15%	0	0	9	10%	60%	15%	6	34	9
Quality Restaurant	6,000 sf	96	0%	0%	15%	0	0	14	10%	60%	15%	10	58	14
High-Turnover Sit-Down Restaurant	5,000 sf	115	0%	0%	15%	0	0	17	10%	60%	15%	12	69	17
Fast Food Rest. (fronting Figueroa)	1,500 sf	188	0%	0%	15%	0	0	28	10%	60%	15%	19	113	28
Fast Food Rest. (not fronting Figueroa)	1,500 sf	92	0%	0%	15%	0	0	14	10%	60%	15%	9	55	14
Office	25,000 sf	14	0%	0%	15%	0	0	2	35%	35%	15%	5	5	2
Total		4,001				0	0	458				350	2,736	458

[1] Source: National Cooperative Highway Research Program Report 365 for all uses except stadium. Stadium estimated.

ESTIMATED DAILY VEHICLE MILES TRAVELED							
Land Use	Productions			Attractions			Total
	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	
Stadium (patrons)	0	0	1,280	0	42,330	1,530	45,140
Stadium (employees)	0	0	140	3,040	0	170	3,350
Conference Facilities	0	0	220	390	1,230	260	2,100
Museum	0	0	140	250	810	170	1,370
Team Store	0	0	50	90	290	60	490
Other Retail (fronting Figueroa)	0	0	30	50	170	40	290
Other Retail (not fronting Figueroa)	0	0	40	80	240	50	410
Quality Restaurant	0	0	70	130	400	90	690
High-Turnover Sit-Down Restaurant	0	0	90	150	480	100	820
Fast Food Rest. (fronting Figueroa)	0	0	140	250	790	170	1,350
Fast Food Rest. (not fronting Figueroa)	0	0	70	120	390	80	660
Office	0	0	10	60	30	10	110
Total	0	0	2,280	4,610	47,160	2,730	56,780

AVERAGE TRIP LENGTHS BY TRIP TYPE		
Trip Type	Average Trip Length (miles)	
	Productions	Attractions
Home Based Work	10.7	13.2
Home Based Other	5.3	7.0
Non-Home Based	5.0	6.0
Stadium Patrons	n/a	20.7

[2] Source: Calculated by Fehr & Peers for South Los Angeles

Community Plan Area from Southern California Association of Governments' (SCAG's) 2012 Regional Transportation Plan model.

[3] Source: Calculated by Fehr & Peers from data regarding potential distribution of pro soccer fans within the Los Angeles area.

ATTACHMENT H

DAILY VMT ESTIMATION WORKSHEETS PROJECT SCENARIO, 8,500-PERSON EVENT

TABLE H-1
DAILY TRIP GENERATION FOR EVENTS AT STADIUM
PROJECT SCENARIO, 8,500-PERSON EVENT

MODE SPLIT ASSUMPTIONS						
Trip Type	Scenario	Personal Auto	Shared Ride (Taxi, etc.)	Charter Bus	Transit	Bike/ Walk
Spectators	Weekday	75%	5%	3%	15%	2%
	Weekend	75%	5%	3%	15%	2%
Employees	Weekday	83%	0%	0%	15%	2%
	Weekend	83%	0%	0%	15%	2%

DISTRIBUTION OF PERSON TRIPS ACROSS DIFFERENT TRAVEL MODES							
Trip Type	Scenario	Personal Auto	Shared Ride (Taxi, etc.)	Charter Bus	Transit	Bike/ Walk	Total
Spectators (8,500)	Weekday	6,375	425	255	1,275	170	8,500
	Weekend	6,375	425	255	1,275	170	8,500
Employees (0,490)	Weekday	407	0	0	74	10	490
	Weekend	407	0	0	74	10	490

VEHICLE OCCUPANCY ASSUMPTIONS				
Trip Type	Scenario	AVO	Shared Ride (Taxi, etc.)	Charter Bus
Spectators	Weekday	2.7	2.7	40
	Weekend	3.0	3.0	40
Employees	Weekday	1.5	n/a	n/a
	Weekend	1.5	n/a	n/a

VEHICLE TRIP GENERATION ESTIMATE					
Trip Type	Scenario	Total Personal Autos	Shared Ride Vehicles	Charter Buses	Total Daily Trips
Spectators	Weekday	2,361	157	6	5,362
	Weekend	2,125	142	6	4,830
Employees	Weekday	271	0	0	542
	Weekend	271	0	0	542
TOTAL	Weekday	2,632	157	6	5,904
	Weekend	2,396	142	6	5,372

TABLE H-2.1
DAILY TRIP GENERATION ESTIMATE - ANCILLARY USES
LAFC PROGRAM ON A NON-EVENT WEEKDAY (PROJECT SCENARIO)

Land Use	ITE Land Use Code	Size	Trip Generation Rates [a]		Daily Trips
			Daily Rate	Trip Rate Unit	
Conference Facilities Persons Gross vehicles <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Conference		10.0 ksf 261 prsns AM 430 prsns PM [b]	2 1.00 13% 15%	per person	691 691 (88) (90) 513
Hall of Fame <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Hall of Fame	580 [g]	0.0 ksf AM [i] 40.0 ksf PM	5.80 52% 15%	per ksf	232 (121) (17) 94
Hall of Fame Store <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Hall of Fame Store	826 [h]	0.0 ksf AM [i] 15.0 ksf PM	44.32 68% 15% 10%	per ksf	665 (454) (32) (18) 161
Other Retail (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [h]	0.0 ksf AM [i] 3.0 ksf PM	44.32 15% 15% 10%	per ksf	133 (20) (17) (10) 86
Other Retail (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [h]	0.0 ksf AM [i] 12.0 ksf PM	44.32 67% 15% 10%	per ksf	532 (355) (27) (15) 135
Quality Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Quality Restaurant	931	0.0 ksf AM [i] 6.0 ksf PM	89.95 43% 15% 10%	per ksf	540 (233) (46) (26) 235
High-Turnover Sit-Down Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External High-Turnover Rest.	932	0.0 ksf AM [i] 5.0 ksf PM	127.15 43% 15% 20%	per ksf	636 (274) (54) (62) 246
Fast Food Rest. (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	0.0 ksf AM [i] 1.5 ksf PM	716.00 15% 15% 50%	per ksf	1,074 (161) (137) (388) 388
Fast Food Rest. (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	0.0 ksf AM [i] 1.5 ksf PM	716.00 43% 15% 50%	per ksf	1,074 (465) (91) (259) 259
Office <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Office	710	25.0 ksf	11.03 12% 15%	per ksf	276 (33) (36) 207
PROJECT TOTAL					2,324

Notes:

- Source: Institute of Transportation Engineers (ITE), *Trip Generation, 9th Edition*, 2012, unless otherwise noted.
- Conference facility trip estimates assume 2 functions per day and an average vehicle occupancy (AVO) of 2.0 attendees per vehicle. Functions generating trips during the weekday AM peak hour will be limited to 320 attendees.
- Internal capture represents the percentage of trips between land uses that occur within the site. Estimated using internal capture rates from ITE *Trip Generation Handbook, 3rd Edition*, 2014, Tables 6.1 and 6.2, balanced to the constrained end of the internal trip. Considers internalization between the various Project uses as well as between the Project and the California Science Center.
- LADOT's *Traffic Study Policies and Procedures*, August 2014, state that a 15% transit credit may be taken for projects within 1/4 mile of a transit station or rapid bus stop. The Expo Park/USC LRT station, the Harbor Transitway 37th St/USC station, and Metro Rapid 754 on Vermont individually are each beyond 1/4 mile but are each within 0.30 to 0.37 miles. Given the proximity of all three services, however, the combined effect of the three is considered to be 15%.
- Source for pass-by credits: Attachment I of LADOT's *Traffic Study Policies and Procedures*, August 2014.
- Internal capture for fast food restaurant and other retail possibly along the Figueroa Street frontage capped at 15% to reflect the potential that these uses attract a greater level of external trips given their location.
- No daily rate available from ITE for museum. Daily rate assumed to be 10 x PM peak hour rate.
- Specialty retail (ITE code 826) used for museum store and other retail (used AM rate from code 820 since no AM rate is available for code 826).
- The Hall of Fame, Hall of Fame Store, other retail, quality restaurants, high-turnover sit-down restaurants, and fast food restaurants will not open for business until mid- to late-morning and thus will generate negligible trips during the AM peak hour.

TABLE H-2.2
DAILY TRIP GENERATION ESTIMATE - ANCILLARY USES
LAFC PROGRAM ON AN EVENT WEEKDAY (PROJECT SCENARIO)

Land Use	ITE Land Use Code	Size	Trip Generation Rates [a]		Daily Trips
			Daily Rate	Trip Rate Unit	
Conference Facilities Persons Gross vehicles <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Conference		10.0 ksf 261 prsns AM 430 prsns PM [b]	1 1.00 12% 15%	per person	261 261 (30) <u>(35)</u> 196
Hall of Fame <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Hall of Fame	580 [g]	0.0 ksf AM [i] 40.0 ksf PM	5.80 76% 15%	per ksf	232 (177) (8) 47
Hall of Fame Store <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Hall of Fame Store	826 [h]	0.0 ksf AM [i] 15.0 ksf PM	44.32 84% 15% 10%	per ksf	665 (560) (16) (9) 80
Other Retail (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [h]	0.0 ksf AM [i] 3.0 ksf PM	44.32 58% 15% 10%	per ksf	133 (76) (9) (5) 43
Other Retail (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [h]	0.0 ksf AM [i] 12.0 ksf PM	44.32 83% 15% 10%	per ksf	532 (443) (13) (8) 68
Quality Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Quality Restaurant	931	0.0 ksf AM [i] 6.0 ksf PM	89.95 72% 15% 10%	per ksf	540 (387) (23) (13) 117
High-Turnover Sit-Down Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External High-Turnover Rest.	932	0.0 ksf AM [i] 5.0 ksf PM	127.15 72% 15% 20%	per ksf	636 (455) (27) (31) 123
Fast Food Rest. (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	0.0 ksf AM [i] 1.5 ksf PM	716.00 58% 15% 50%	per ksf	1,074 (618) (68) (194) 194
Fast Food Rest. (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	0.0 ksf AM [i] 1.5 ksf PM	716.00 72% 15% 50%	per ksf	1,074 (770) (46) (129) 129
Office <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Office	710	25.0 ksf	11.03 59% 15%	per ksf	276 (163) (17) 96
PROJECT TOTAL					1,093

Notes:

- Source: Institute of Transportation Engineers (ITE), *Trip Generation, 9th Edition*, 2012, unless otherwise noted.
- Conference facility trip estimates assume 1 independent function per day on days with an event in the stadium and an average vehicle occupancy (AVO) of 2.0 attendees per vehicle. Functions generating trips during the weekday AM peak hour will be limited to 320 attendees.
- Internal capture represents the percentage of trips between land uses that occur within the site. Estimated using internal capture rates from ITE *Trip Generation Handbook, 3rd Edition*, 2014, Tables 6.1 and 6.2, balanced to the constrained end of the internal trip. Considers internalization between the various Project uses as well as between the Project and the California Science Center. Internal capture for ancillary uses is 100% when events are occurring in the stadium.
- LADOT's *Traffic Study Policies and Procedures*, August 2014, state that a 15% transit credit may be taken for projects within 1/4 mile of a transit station or rapid bus stop. The Expo Park/USC LRT station, the Harbor Transitway 37th St/USC station, and Metro Rapid 754 on Vermont individually are each beyond 1/4 mile but are each within 0.30 to 0.37 miles. Given the proximity of all three services, however, the combined effect of the three is considered to be 15%.
- Source for pass-by credits: Attachment I of LADOT's *Traffic Study Policies and Procedures*, August 2014.
- Internal capture for fast food restaurant and other retail possibly along the Figueroa Street frontage capped at 15% during non-event periods to reflect the potential that these uses attract a greater level of external trips given their location.
- No daily rate available from ITE for museum. Daily rate assumed to be 10 x PM peak hour rate.
- Specialty retail (ITE code 826) used for museum store and other retail (used AM rate from code 820 since no AM rate is available for code
- The Hall of Fame, Hall of Fame Store, other retail, quality restaurants, high-turnover sit-down restaurants, and fast food restaurants will not open for business until mid- to late-morning and thus will generate negligible trips during the AM peak hour.

TABLE H-2.3
DAILY TRIP GENERATION ESTIMATE - ANCILLARY USES
LAFC PROGRAM ON A NON-EVENT WEEKEND DAY (PROJECT SCENARIO)

Land Use	ITE Land Use Code	Size	Trip Generation Rates [a]		Daily Trips
			Daily Rate	Trip Rate Unit	
Conference Facilities Persons Gross vehicles <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Conference		10.0 ksf 430 prsns AM 430 prsns PM [b]	2 1.00 27% 15%	per person	860 860 (231) (94) 535
Hall of Fame <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Hall of Fame	580 [g]	0.0 ksf AM [i] 40.0 ksf PM	21.10 46% 15%	per ksf	844 (392) (68) 384
Hall of Fame Store <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Hall of Fame Store	826 [h]	0.0 ksf AM [i] 15.0 ksf PM	42.04 71% 15% 10%	per ksf	631 (447) (28) (16) 140
Other Retail (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [h]	0.0 ksf AM [i] 3.0 ksf PM	42.04 15% 15% 10%	per ksf	126 (19) (16) (9) 82
Other Retail (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [h]	0.0 ksf AM [i] 12.0 ksf PM	42.04 71% 15% 10%	per ksf	504 (356) (22) (13) 113
Quality Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Quality Restaurant	931	0.0 ksf AM [i] 6.0 ksf PM	94.36 55% 15% 10%	per ksf	566 (313) (38) (22) 193
High-Turnover Sit-Down Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External High-Turnover Rest.	932	0.0 ksf AM [i] 5.0 ksf PM	158.37 57% 15% 20%	per ksf	792 (453) (51) (58) 230
Fast Food Rest. (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	0.0 ksf AM [i] 1.5 ksf PM	696.00 15% 15% 50%	per ksf	1,044 (157) (133) (377) 377
Fast Food Rest. (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	0.0 ksf AM [i] 1.5 ksf PM	696.00 59% 15% 50%	per ksf	1,044 (611) (65) (184) 184
Office <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Office	710	25.0 ksf	2.46 30% 15%	per ksf	62 (19) (6) 37
PROJECT TOTAL					2,275

Notes:

- Source: Institute of Transportation Engineers (ITE), *Trip Generation, 9th Edition*, 2012, unless otherwise noted.
- Conference facility trip estimates assume 2 functions per day and an average vehicle occupancy (AVO) of 2.0 attendees per vehicle. Functions generating trips during the weekday AM peak hour will be limited to 320 attendees.
- Internal capture represents the percentage of trips between land uses that occur within the site. Estimated using internal capture rates from ITE *Trip Generation Handbook, 3rd Edition*, 2014, Tables 6.1 and 6.2, balanced to the constrained end of the internal trip. Considers internalization between the various Project uses as well as between the Project and the California Science Center.
- LADOT's *Traffic Study Policies and Procedures*, August 2014, state that a 15% transit credit may be taken for projects within 1/4 mile of a transit station or rapid bus stop. The Expo Park/USC LRT station, the Harbor Transitway 37th St/USC station, and Metro Rapid 754 on Vermont individually are each beyond 1/4 mile but are each within 0.30 to 0.37 miles. Given the proximity of all three services, however, the combined effect of the three is considered to be 15%.
- Source for pass-by credits: Attachment I of LADOT's *Traffic Study Policies and Procedures*, August 2014.
- Internal capture for fast food restaurant and other retail possibly along the Figueroa Street frontage capped at 15% to reflect the potential that these uses attract a greater level of external trips given their location.
- No daily rate available from ITE for museum. Daily rate assumed to be 10 x PM peak hour rate.
- Specialty retail (ITE code 826) used for museum store and other retail (used midday rate from code 820 since no midday rate is available for code 826).
- The Hall of Fame, Hall of Fame Store, other retail, quality restaurants, high-turnover sit-down restaurants, and fast food restaurants will not open for business until mid- to late-morning and thus will generate negligible trips during the AM peak hour.

TABLE H-2.4
DAILY TRIP GENERATION ESTIMATE - ANCILLARY USES
LAFC PROGRAM ON A WEEKEND EVENT DAY (PROJECT SCENARIO)

Land Use	ITE Land Use Code	Size	Trip Generation Rates [a]		Daily Trips
			Daily Rate	Trip Rate Unit	
Conference Facilities Persons Gross vehicles <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Conference		10.0 ksf 430 prsns AM 430 prsns PM [b]	1 1.00 20% 15%	per person	430 430 (87) <u>(51)</u> 292
Hall of Fame <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Hall of Fame	580 [g]	40.0 ksf AM [i] 40.0 ksf PM	21.10 73% 15%	per ksf	844 (618) <u>(34)</u> 192
Hall of Fame Store <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Hall of Fame Store	826 [h]	15.0 ksf AM [i] 15.0 ksf PM	42.04 85% 15% 10%	per ksf	631 (539) (14) <u>(8)</u> 70
Other Retail (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [h]	3.0 ksf AM [i] 3.0 ksf PM	42.04 58% 15% 10%	per ksf	126 (72) (8) <u>(5)</u> 41
Other Retail (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [h]	12.0 ksf AM [i] 12.0 ksf PM	42.04 85% 15% 10%	per ksf	504 (430) (11) <u>(6)</u> 57
Quality Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Quality Restaurant	931	6.0 ksf AM [i] 6.0 ksf PM	94.36 78% 15% 10%	per ksf	566 (440) (19) <u>(11)</u> 96
High-Turnover Sit-Down Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External High-Turnover Rest.	932	5.0 ksf AM [i] 5.0 ksf PM	158.37 79% 15% 20%	per ksf	792 (622) (26) <u>(29)</u> 115
Fast Food Rest. (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	1.5 ksf AM [i] 1.5 ksf PM	696.00 58% 15% 50%	per ksf	1,044 (600) (67) <u>(189)</u> 188
Fast Food Rest. (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	1.5 ksf AM [i] 1.5 ksf PM	696.00 79% 15% 50%	per ksf	1,044 (828) (32) <u>(92)</u> 92
Office <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Office	710	25.0 ksf	2.46 73% 15%	per ksf	62 (45) <u>(3)</u> 14
PROJECT TOTAL					1,157

Notes:

- Source: Institute of Transportation Engineers (ITE), *Trip Generation, 9th Edition*, 2012, unless otherwise noted.
- Conference facility trip estimates assume 1 independent function per day on days with an event in the stadium and an average vehicle occupancy (AVO) of 2.0 attendees per vehicle. Functions generating trips during the weekday AM peak hour will be limited to 320 attendees.
- Internal capture represents the percentage of trips between land uses that occur within the site. Estimated using internal capture rates from ITE *Trip Generation Handbook, 3rd Edition*, 2014, Tables 6.1 and 6.2, balanced to the constrained end of the internal trip. Considers internalization between the various Project uses as well as between the Project and the California Science Center. Internal capture for ancillary uses is 100% when events are occurring in the stadium.
- LADOT's *Traffic Study Policies and Procedures*, August 2014, state that a 15% transit credit may be taken for projects within 1/4 mile of a transit station or rapid bus stop. The Expo Park/USC LRT station, the Harbor Transitway 37th St/USC station, and Metro Rapid 754 on Vermont individually are each beyond 1/4 mile but are each within 0.30 to 0.37 miles. Given the proximity of all three services, however, the combined effect of the three is considered to be 15%.
- Source for pass-by credits: Attachment I of LADOT's *Traffic Study Policies and Procedures*, August 2014.
- Internal capture for fast food restaurant and other retail possibly along the Figueroa Street frontage capped at 15% during non-event periods to reflect the potential that these uses attract a greater level of external trips given their location.
- No daily rate available from ITE for museum. Daily rate assumed to be 10 x PM peak hour rate.
- Specialty retail (ITE code 826) used for museum store and other retail (used midday rate from code 820 since no midday rate is available for
- The Hall of Fame, Hall of Fame Store, other retail, quality restaurants, high-turnover sit-down restaurants, and fast food restaurants will not open for business until mid- to late-morning and thus will generate negligible trips during the AM peak hour.

TABLE H-3
SUMMARY OF ESTIMATED DAILY TRIP GENERATION
PROJECT SCENARIO, 8,500-PERSON EVENT

Weekday Non-Event Day		
Land Use	Size	Estimated Daily Trips
Stadium (patrons)	0 seats	0
Stadium (employees)	0 emp.	0
Conference Facilities	10.0 ksf	513
Museum	40.0 ksf	94
Team Store	15.0 ksf	161
Other Retail (fronting Figueroa)	3.0 ksf	86
Other Retail (not fronting Figueroa)	12.0 ksf	135
Quality Restaurant	6.0 ksf	235
High-Turnover Sit-Down Restaurant	5.0 ksf	246
Fast Food Rest. (fronting Figueroa)	1.5 ksf	388
Fast Food Rest. (not fronting Figueroa)	1.5 ksf	259
Office	25.0 ksf	207
PROJECT NET TRIPS		2,324

Weekend Non-Event Day		
Land Use	Size	Estimated Daily Trips
Stadium (patrons)	0 seats	0
Stadium (employees)	0 emp.	0
Conference Facilities	10.0 ksf	535
Museum	40.0 ksf	384
Team Store	15.0 ksf	140
Other Retail (fronting Figueroa)	3.0 ksf	82
Other Retail (not fronting Figueroa)	12.0 ksf	113
Quality Restaurant	6.0 ksf	193
High-Turnover Sit-Down Restaurant	5.0 ksf	230
Fast Food Rest. (fronting Figueroa)	1.5 ksf	377
Fast Food Rest. (not fronting Figueroa)	1.5 ksf	184
Office	25.0 ksf	37
PROJECT NET TRIPS		2,275

Weekday Event Day		
Land Use	Size	Estimated Daily Trips
Stadium (patrons)	8,500 seats	5,362
Stadium (employees)	490 emp.	542
Conference Facilities	10.0 ksf	196
Museum	40.0 ksf	47
Team Store	15.0 ksf	80
Other Retail (fronting Figueroa)	3.0 ksf	43
Other Retail (not fronting Figueroa)	12.0 ksf	68
Quality Restaurant	6.0 ksf	117
High-Turnover Sit-Down Restaurant	5.0 ksf	123
Fast Food Rest. (fronting Figueroa)	1.5 ksf	194
Fast Food Rest. (not fronting Figueroa)	1.5 ksf	129
Office	25.0 ksf	96
PROJECT NET TRIPS		6,997

Weekend Event Day		
Land Use	Size	Estimated Daily Trips
Stadium (patrons)	8,500 seats	4,830
Stadium (employees)	490 emp.	542
Conference Facilities	10.0 ksf	292
Museum	40.0 ksf	192
Team Store	15.0 ksf	70
Other Retail (fronting Figueroa)	3.0 ksf	41
Other Retail (not fronting Figueroa)	12.0 ksf	57
Quality Restaurant	6.0 ksf	96
High-Turnover Sit-Down Restaurant	5.0 ksf	115
Fast Food Rest. (fronting Figueroa)	1.5 ksf	188
Fast Food Rest. (not fronting Figueroa)	1.5 ksf	92
Office	12.0 ksf	14
PROJECT NET TRIPS		6,529

TABLE H-4.1
DAILY VEHICLE MILES TRAVELED ESTIMATION: WEEKDAY NON-EVENT DAY
PROJECT SCENARIO, 8,500-PERSON EVENT

DAILY TRIP GENERATION BY TRIP TYPE														
Land Use	Size	Daily Trips	Trip Productions						Trip Attractions					
			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type		
			Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)
Stadium (patrons)	0 seats	0	0%	0%	10%	0	0	0	0%	80%	10%	0	0	0
Stadium (employees)	0 emp.	0	0%	0%	10%	0	0	0	80%	0%	10%	0	0	0
Conference Facilities	10,000 sf	513	0%	0%	15%	0	0	77	10%	60%	15%	51	308	77
Museum	40,000 sf	94	0%	0%	15%	0	0	14	10%	60%	15%	9	56	14
Team Store	15,000 sf	161	0%	0%	15%	0	0	24	10%	60%	15%	16	97	24
Other Retail (fronting Figueroa)	3,000 sf	86	0%	0%	15%	0	0	13	10%	60%	15%	9	52	13
Other Retail (not fronting Figueroa)	12,000 sf	135	0%	0%	15%	0	0	20	10%	60%	15%	14	81	20
Quality Restaurant	6,000 sf	235	0%	0%	15%	0	0	35	10%	60%	15%	24	141	35
High-Turnover Sit-Down Restaurant	5,000 sf	246	0%	0%	15%	0	0	37	10%	60%	15%	25	148	37
Fast Food Rest. (fronting Figueroa)	1,500 sf	388	0%	0%	15%	0	0	58	10%	60%	15%	39	233	58
Fast Food Rest. (not fronting Figueroa)	1,500 sf	259	0%	0%	15%	0	0	39	10%	60%	15%	26	155	39
Office	25,000 sf	207	0%	0%	15%	0	0	31	35%	35%	15%	72	72	31
Total		2,324				0	0	349				284	1,343	349

[1] Source: National Cooperative Highway Research Program Report 365 for all uses except stadium. Stadium estimated.

ESTIMATED DAILY VEHICLE MILES TRAVELED							
Land Use	Productions			Attractions			Total
	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	
Stadium (patrons)	0	0	0	0	0	0	0
Stadium (employees)	0	0	0	0	0	0	0
Conference Facilities	0	0	380	680	2,150	460	3,670
Museum	0	0	70	120	390	80	660
Team Store	0	0	120	210	680	140	1,150
Other Retail (fronting Figueroa)	0	0	60	110	360	80	610
Other Retail (not fronting Figueroa)	0	0	100	180	570	120	970
Quality Restaurant	0	0	180	310	990	210	1,690
High-Turnover Sit-Down Restaurant	0	0	180	320	1,030	220	1,750
Fast Food Rest. (fronting Figueroa)	0	0	290	510	1,630	350	2,780
Fast Food Rest. (not fronting Figueroa)	0	0	190	340	1,090	230	1,850
Office	0	0	160	960	510	190	1,820
Total	0	0	1,730	3,740	9,400	2,080	16,950

AVERAGE TRIP LENGTHS BY TRIP TYPE			
Trip Type	Average Trip Length (miles)		
	Productions	Attractions	
Home Based Work	10.7	13.2	[2]
Home Based Other	5.3	7.0	[2]
Non-Home Based	5.0	6.0	[2]
Stadium Patrons	n/a	20.7	[3]

[2] Source: Calculated by Fehr & Peers for South Los Angeles Community Plan Area from Southern California Association of Governments' (SCAG's) 2012 Regional Transportation Plan model.

[3] Source: Calculated by Fehr & Peers from data regarding potential distribution of pro soccer fans within the Los Angeles area.

TABLE H-4.2
DAILY VEHICLE MILES TRAVELED ESTIMATION: WEEKDAY EVENT DAY
PROJECT SCENARIO, 8,500-PERSON EVENT

DAILY TRIP GENERATION BY TRIP TYPE														
Land Use	Size	Daily Trips	Trip Productions						Trip Attractions					
			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type		
			Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)
Stadium (patrons)	8,500 seats	5,362	0%	0%	10%	0	0	536	0%	80%	10%	0	4,290	536
Stadium (employees)	490 emp.	542	0%	0%	10%	0	0	54	80%	0%	10%	434	0	54
Conference Facilities	10,000 sf	196	0%	0%	15%	0	0	29	10%	60%	15%	20	118	29
Museum	40,000 sf	47	0%	0%	15%	0	0	7	10%	60%	15%	5	28	7
Team Store	15,000 sf	80	0%	0%	15%	0	0	12	10%	60%	15%	8	48	12
Other Retail (fronting Figueroa)	3,000 sf	43	0%	0%	15%	0	0	6	10%	60%	15%	4	26	6
Other Retail (not fronting Figueroa)	12,000 sf	68	0%	0%	15%	0	0	10	10%	60%	15%	7	41	10
Quality Restaurant	6,000 sf	117	0%	0%	15%	0	0	18	10%	60%	15%	12	70	18
High-Turnover Sit-Down Restaurant	5,000 sf	123	0%	0%	15%	0	0	18	10%	60%	15%	12	74	18
Fast Food Rest. (fronting Figueroa)	1,500 sf	194	0%	0%	15%	0	0	29	10%	60%	15%	19	116	29
Fast Food Rest. (not fronting Figueroa)	1,500 sf	129	0%	0%	15%	0	0	19	10%	60%	15%	13	77	19
Office	25,000 sf	96	0%	0%	15%	0	0	14	35%	35%	15%	34	34	14
Total		6,997				0	0	754				567	4,921	754

[1] Source: National Cooperative Highway Research Program Report 365 for all uses except stadium. Stadium estimated.

ESTIMATED DAILY VEHICLE MILES TRAVELED							
Land Use	Productions			Attractions			Total
	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	
Stadium (patrons)	0	0	2,680	0	88,790	3,220	94,690
Stadium (employees)	0	0	270	5,720	0	330	6,320
Conference Facilities	0	0	150	260	820	180	1,410
Museum	0	0	40	60	200	40	340
Team Store	0	0	60	110	340	70	580
Other Retail (fronting Figueroa)	0	0	30	60	180	40	310
Other Retail (not fronting Figueroa)	0	0	50	90	290	60	490
Quality Restaurant	0	0	90	150	490	110	840
High-Turnover Sit-Down Restaurant	0	0	90	160	520	110	880
Fast Food Rest. (fronting Figueroa)	0	0	150	260	810	170	1,390
Fast Food Rest. (not fronting Figueroa)	0	0	100	170	540	120	930
Office	0	0	70	440	240	90	840
Total	0	0	3,780	7,480	93,220	4,540	109,020

AVERAGE TRIP LENGTHS BY TRIP TYPE		
Trip Type	Average Trip Length (miles)	
	Productions	Attractions
Home Based Work	10.7	13.2
Home Based Other	5.3	7.0
Non-Home Based	5.0	6.0
Stadium Patrons	n/a	20.7

[2] Source: Calculated by Fehr & Peers for South Los Angeles Community Plan Area from Southern California Association of Governments' (SCAG's) 2012 Regional Transportation Plan model.

[3] Source: Calculated by Fehr & Peers from data regarding potential distribution of pro soccer fans within the Los Angeles area.

TABLE H-4.3
DAILY VEHICLE MILES TRAVELED ESTIMATION: WEEKEND NON-EVENT DAY
PROJECT SCENARIO, 8,500-PERSON EVENT

DAILY TRIP GENERATION BY TRIP TYPE														
Land Use	Size	Daily Trips	Trip Productions						Trip Attractions					
			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type		
			Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)
Stadium (patrons)	0 seats	0	0%	0%	10%	0	0	0	0%	80%	10%	0	0	0
Stadium (employees)	0 emp.	0	0%	0%	10%	0	0	0	80%	0%	10%	0	0	0
Conference Facilities	10,000 sf	535	0%	0%	15%	0	0	80	10%	60%	15%	54	321	80
Museum	40,000 sf	384	0%	0%	15%	0	0	58	10%	60%	15%	38	230	58
Team Store	15,000 sf	140	0%	0%	15%	0	0	21	10%	60%	15%	14	84	21
Other Retail (fronting Figueroa)	3,000 sf	82	0%	0%	15%	0	0	12	10%	60%	15%	8	49	12
Other Retail (not fronting Figueroa)	12,000 sf	113	0%	0%	15%	0	0	17	10%	60%	15%	11	68	17
Quality Restaurant	6,000 sf	193	0%	0%	15%	0	0	29	10%	60%	15%	19	116	29
High-Turnover Sit-Down Restaurant	5,000 sf	230	0%	0%	15%	0	0	35	10%	60%	15%	23	138	35
Fast Food Rest. (fronting Figueroa)	1,500 sf	377	0%	0%	15%	0	0	57	10%	60%	15%	38	226	57
Fast Food Rest. (not fronting Figueroa)	1,500 sf	184	0%	0%	15%	0	0	28	10%	60%	15%	18	110	28
Office	25,000 sf	37	0%	0%	15%	0	0	6	35%	35%	15%	13	13	6
Total		2,275				0	0	341				237	1,356	341

[1] Source: National Cooperative Highway Research Program Report 365 for all uses except stadium. Stadium estimated.

ESTIMATED DAILY VEHICLE MILES TRAVELED							
Land Use	Productions			Attractions			Total
	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	
Stadium (patrons)	0	0	0	0	0	0	0
Stadium (employees)	0	0	0	0	0	0	0
Conference Facilities	0	0	400	710	2,250	480	3,840
Museum	0	0	290	510	1,610	350	2,760
Team Store	0	0	110	180	590	130	1,010
Other Retail (fronting Figueroa)	0	0	60	110	340	70	580
Other Retail (not fronting Figueroa)	0	0	80	150	470	100	800
Quality Restaurant	0	0	140	250	810	170	1,370
High-Turnover Sit-Down Restaurant	0	0	170	300	970	210	1,650
Fast Food Rest. (fronting Figueroa)	0	0	280	500	1,580	340	2,700
Fast Food Rest. (not fronting Figueroa)	0	0	140	240	770	170	1,320
Office	0	0	30	170	90	30	320
Total	0	0	1,700	3,120	9,480	2,050	16,350

AVERAGE TRIP LENGTHS BY TRIP TYPE			
Trip Type	Average Trip Length (miles)		
	Productions	Attractions	
Home Based Work	10.7	13.2	[2]
Home Based Other	5.3	7.0	[2]
Non-Home Based	5.0	6.0	[2]
Stadium Patrons	n/a	20.7	[3]

[2] Source: Calculated by Fehr & Peers for South Los Angeles Community Plan Area from Southern California Association of Governments' (SCAG's) 2012 Regional Transportation Plan model.

[3] Source: Calculated by Fehr & Peers from data regarding potential distribution of pro soccer fans within the Los Angeles area.

TABLE H-4.4
DAILY VEHICLE MILES TRAVELED ESTIMATION: WEEKEND EVENT DAY
PROJECT SCENARIO, 8,500-PERSON EVENT

DAILY TRIP GENERATION BY TRIP TYPE														
Land Use	Size	Daily Trips	Trip Productions						Trip Attractions					
			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type		
			Home Based	Home Based	Non-Home	Home Based	Home Based	Non-Home	Home Based	Home Based	Non-Home	Home Based	Home Based	Non-Home
			Work (HBW)	Other (HBO)	Based (NHB)	Work (HBW)	Other (HBO)	Based (NHB)	Work (HBW)	Other (HBO)	Based (NHB)	Work (HBW)	Other (HBO)	Based (NHB)
Stadium (patrons)	8,500 seats	4,830	0%	0%	10%	0	0	483	0%	80%	10%	0	3,864	483
Stadium (employees)	490 emp.	542	0%	0%	10%	0	0	54	80%	0%	10%	434	0	54
Conference Facilities	10,000 sf	292	0%	0%	15%	0	0	44	10%	60%	15%	29	175	44
Museum	40,000 sf	192	0%	0%	15%	0	0	29	10%	60%	15%	19	115	29
Team Store	15,000 sf	70	0%	0%	15%	0	0	11	10%	60%	15%	7	42	11
Other Retail (fronting Figueroa)	3,000 sf	41	0%	0%	15%	0	0	6	10%	60%	15%	4	25	6
Other Retail (not fronting Figueroa)	12,000 sf	57	0%	0%	15%	0	0	9	10%	60%	15%	6	34	9
Quality Restaurant	6,000 sf	96	0%	0%	15%	0	0	14	10%	60%	15%	10	58	14
High-Turnover Sit-Down Restaurant	5,000 sf	115	0%	0%	15%	0	0	17	10%	60%	15%	12	69	17
Fast Food Rest. (fronting Figueroa)	1,500 sf	188	0%	0%	15%	0	0	28	10%	60%	15%	19	113	28
Fast Food Rest. (not fronting Figueroa)	1,500 sf	92	0%	0%	15%	0	0	14	10%	60%	15%	9	55	14
Office	25,000 sf	14	0%	0%	15%	0	0	2	35%	35%	15%	5	5	2
Total		6,529				0	0	711				553	4,555	711

[1] Source: National Cooperative Highway Research Program Report 365 for all uses except stadium. Stadium estimated.

ESTIMATED DAILY VEHICLE MILES TRAVELED							
Land Use	Productions			Attractions			Total
	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	
Stadium (patrons)	0	0	2,420	0	79,980	2,900	85,300
Stadium (employees)	0	0	270	5,720	0	330	6,320
Conference Facilities	0	0	220	390	1,230	260	2,100
Museum	0	0	140	250	810	170	1,370
Team Store	0	0	50	90	290	60	490
Other Retail (fronting Figueroa)	0	0	30	50	170	40	290
Other Retail (not fronting Figueroa)	0	0	40	80	240	50	410
Quality Restaurant	0	0	70	130	400	90	690
High-Turnover Sit-Down Restaurant	0	0	90	150	480	100	820
Fast Food Rest. (fronting Figueroa)	0	0	140	250	790	170	1,350
Fast Food Rest. (not fronting Figueroa)	0	0	70	120	390	80	660
Office	0	0	10	60	30	10	110
Total	0	0	3,550	7,290	84,810	4,260	99,910

AVERAGE TRIP LENGTHS BY TRIP TYPE		
Trip Type	Average Trip Length (miles)	
	Productions	Attractions
Home Based Work	10.7	13.2
Home Based Other	5.3	7.0
Non-Home Based	5.0	6.0
Stadium Patrons	n/a	20.7

[2] Source: Calculated by Fehr & Peers for South Los Angeles Community Plan Area from Southern California Association of Governments' (SCAG's) 2012 Regional Transportation Plan model.

[3] Source: Calculated by Fehr & Peers from data regarding potential distribution of pro soccer fans within the Los Angeles area.

ATTACHMENT I

DAILY VMT ESTIMATION WORKSHEETS
PROJECT SCENARIO, 22,000-PERSON EVENT

TABLE I-1
DAILY TRIP GENERATION FOR EVENTS AT STADIUM
PROJECT SCENARIO, 22,000-PERSON EVENT

MODE SPLIT ASSUMPTIONS						
Trip Type	Scenario	Personal Auto	Shared Ride (Taxi, etc.)	Charter Bus	Transit	Bike/ Walk
Spectators	Weekday	75%	5%	3%	15%	2%
	Weekend	75%	5%	3%	15%	2%
Employees	Weekday	83%	0%	0%	15%	2%
	Weekend	83%	0%	0%	15%	2%

DISTRIBUTION OF PERSON TRIPS ACROSS DIFFERENT TRAVEL MODES							
Trip Type	Scenario	Personal Auto	Shared Ride (Taxi, etc.)	Charter Bus	Transit	Bike/ Walk	Total
Spectators (22,000)	Weekday	16,500	1,100	660	3,300	440	22,000
	Weekend	16,500	1,100	660	3,300	440	22,000
Employees (1,260)	Weekday	1,046	0	0	189	25	1,260
	Weekend	1,046	0	0	189	25	1,260

VEHICLE OCCUPANCY ASSUMPTIONS				
Trip Type	Scenario	AVO	Shared Ride (Taxi, etc.)	Charter Bus
Spectators	Weekday	2.7	2.7	40
	Weekend	3.0	3.0	40
Employees	Weekday	1.5	n/a	n/a
	Weekend	1.5	n/a	n/a

VEHICLE TRIP GENERATION ESTIMATE					
Trip Type	Scenario	Total Personal Autos	Shared Ride Vehicles	Charter Buses	Total Daily Trips
Spectators	Weekday	6,111	407	17	13,884
	Weekend	5,500	367	17	12,502
Employees	Weekday	697	0	0	1,394
	Weekend	697	0	0	1,394
TOTAL	Weekday	6,808	407	17	15,278
	Weekend	6,197	367	17	13,896

TABLE I-2.1
DAILY TRIP GENERATION ESTIMATE - ANCILLARY USES
LAFC PROGRAM ON A NON-EVENT WEEKDAY (PROJECT SCENARIO)

Land Use	ITE Land Use Code	Size	Trip Generation Rates [a]		Daily Trips
			Daily Rate	Trip Rate Unit	
Conference Facilities Persons Gross vehicles <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Conference		10.0 ksf 261 prsns AM 430 prsns PM [b]	2 1.00 13% 15%	per person	691 691 (88) (90) 513
Hall of Fame <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Hall of Fame	580 [g]	0.0 ksf AM [i] 40.0 ksf PM	5.80 52% 15%	per ksf	232 (121) (17) 94
Hall of Fame Store <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Hall of Fame Store	826 [h]	0.0 ksf AM [i] 15.0 ksf PM	44.32 68% 15% 10%	per ksf	665 (454) (32) (18) 161
Other Retail (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [h]	0.0 ksf AM [i] 3.0 ksf PM	44.32 15% 15% 10%	per ksf	133 (20) (17) (10) 86
Other Retail (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [h]	0.0 ksf AM [i] 12.0 ksf PM	44.32 67% 15% 10%	per ksf	532 (355) (27) (15) 135
Quality Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Quality Restaurant	931	0.0 ksf AM [i] 6.0 ksf PM	89.95 43% 15% 10%	per ksf	540 (233) (46) (26) 235
High-Turnover Sit-Down Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External High-Turnover Rest.	932	0.0 ksf AM [i] 5.0 ksf PM	127.15 43% 15% 20%	per ksf	636 (274) (54) (62) 246
Fast Food Rest. (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	0.0 ksf AM [i] 1.5 ksf PM	716.00 15% 15% 50%	per ksf	1,074 (161) (137) (388) 388
Fast Food Rest. (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	0.0 ksf AM [i] 1.5 ksf PM	716.00 43% 15% 50%	per ksf	1,074 (465) (91) (259) 259
Office <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Office	710	25.0 ksf	11.03 12% 15%	per ksf	276 (33) (36) 207
PROJECT TOTAL					2,324

Notes:

- Source: Institute of Transportation Engineers (ITE), *Trip Generation, 9th Edition*, 2012, unless otherwise noted.
- Conference facility trip estimates assume 2 functions per day and an average vehicle occupancy (AVO) of 2.0 attendees per vehicle. Functions generating trips during the weekday AM peak hour will be limited to 320 attendees.
- Internal capture represents the percentage of trips between land uses that occur within the site. Estimated using internal capture rates from ITE *Trip Generation Handbook, 3rd Edition*, 2014, Tables 6.1 and 6.2, balanced to the constrained end of the internal trip. Considers internalization between the various Project uses as well as between the Project and the California Science Center.
- LADOT's *Traffic Study Policies and Procedures*, August 2014, state that a 15% transit credit may be taken for projects within 1/4 mile of a transit station or rapid bus stop. The Expo Park/USC LRT station, the Harbor Transitway 37th St/USC station, and Metro Rapid 754 on Vermont individually are each beyond 1/4 mile but are each within 0.30 to 0.37 miles. Given the proximity of all three services, however, the combined effect of the three is considered to be 15%.
- Source for pass-by credits: Attachment I of LADOT's *Traffic Study Policies and Procedures*, August 2014.
- Internal capture for fast food restaurant and other retail possibly along the Figueroa Street frontage capped at 15% to reflect the potential that these uses attract a greater level of external trips given their location.
- No daily rate available from ITE for museum. Daily rate assumed to be 10 x PM peak hour rate.
- Specialty retail (ITE code 826) used for museum store and other retail (used AM rate from code 820 since no AM rate is available for code 826).
- The Hall of Fame, Hall of Fame Store, other retail, quality restaurants, high-turnover sit-down restaurants, and fast food restaurants will not open for business until mid- to late-morning and thus will generate negligible trips during the AM peak hour.

TABLE I-2.2
DAILY TRIP GENERATION ESTIMATE - ANCILLARY USES
LAFC PROGRAM ON AN EVENT WEEKDAY (PROJECT SCENARIO)

Land Use	ITE Land Use Code	Size	Trip Generation Rates [a]		Daily Trips
			Daily Rate	Trip Rate Unit	
Conference Facilities Persons Gross vehicles <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Conference		10.0 ksf 261 prsns AM 430 prsns PM [b]	1 1.00 12% 15%	per person	261 261 (30) <u>(35)</u> 196
Hall of Fame <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Hall of Fame	580 [g]	0.0 ksf AM [i] 40.0 ksf PM	5.80 76% 15%	per ksf	232 (177) (8) 47
Hall of Fame Store <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Hall of Fame Store	826 [h]	0.0 ksf AM [i] 15.0 ksf PM	44.32 84% 15% 10%	per ksf	665 (560) (16) (9) 80
Other Retail (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [h]	0.0 ksf AM [i] 3.0 ksf PM	44.32 58% 15% 10%	per ksf	133 (76) (9) (5) 43
Other Retail (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [h]	0.0 ksf AM [i] 12.0 ksf PM	44.32 83% 15% 10%	per ksf	532 (443) (13) (8) 68
Quality Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Quality Restaurant	931	0.0 ksf AM [i] 6.0 ksf PM	89.95 72% 15% 10%	per ksf	540 (387) (23) (13) 117
High-Turnover Sit-Down Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External High-Turnover Rest.	932	0.0 ksf AM [i] 5.0 ksf PM	127.15 72% 15% 20%	per ksf	636 (455) (27) (31) 123
Fast Food Rest. (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	0.0 ksf AM [i] 1.5 ksf PM	716.00 58% 15% 50%	per ksf	1,074 (618) (68) (194) 194
Fast Food Rest. (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	0.0 ksf AM [i] 1.5 ksf PM	716.00 72% 15% 50%	per ksf	1,074 (770) (46) (129) 129
Office <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Office	710	25.0 ksf	11.03 59% 15%	per ksf	276 (163) (17) 96
PROJECT TOTAL					1,093

Notes:

- Source: Institute of Transportation Engineers (ITE), *Trip Generation, 9th Edition*, 2012, unless otherwise noted.
- Conference facility trip estimates assume 1 independent function per day on days with an event in the stadium and an average vehicle occupancy (AVO) of 2.0 attendees per vehicle. Functions generating trips during the weekday AM peak hour will be limited to 320 attendees.
- Internal capture represents the percentage of trips between land uses that occur within the site. Estimated using internal capture rates from ITE *Trip Generation Handbook, 3rd Edition*, 2014, Tables 6.1 and 6.2, balanced to the constrained end of the internal trip. Considers internalization between the various Project uses as well as between the Project and the California Science Center. Internal capture for ancillary uses is 100% when events are occurring in the stadium.
- LADOT's *Traffic Study Policies and Procedures*, August 2014, state that a 15% transit credit may be taken for projects within 1/4 mile of a transit station or rapid bus stop. The Expo Park/USC LRT station, the Harbor Transitway 37th St/USC station, and Metro Rapid 754 on Vermont individually are each beyond 1/4 mile but are each within 0.30 to 0.37 miles. Given the proximity of all three services, however, the combined effect of the three is considered to be 15%.
- Source for pass-by credits: Attachment I of LADOT's *Traffic Study Policies and Procedures*, August 2014.
- Internal capture for fast food restaurant and other retail possibly along the Figueroa Street frontage capped at 15% during non-event periods to reflect the potential that these uses attract a greater level of external trips given their location.
- No daily rate available from ITE for museum. Daily rate assumed to be 10 x PM peak hour rate.
- Specialty retail (ITE code 826) used for museum store and other retail (used AM rate from code 820 since no AM rate is available for code 826)
- The Hall of Fame, Hall of Fame Store, other retail, quality restaurants, high-turnover sit-down restaurants, and fast food restaurants will not open for business until mid- to late-morning and thus will generate negligible trips during the AM peak hour.

TABLE I-2.3
DAILY TRIP GENERATION ESTIMATE - ANCILLARY USES
LAFC PROGRAM ON A NON-EVENT WEEKEND DAY (PROJECT SCENARIO)

Land Use	ITE Land Use Code	Size	Trip Generation Rates [a]		Daily Trips
			Daily Rate	Trip Rate Unit	
Conference Facilities Persons Gross vehicles <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Conference		10.0 ksf 430 prsns AM 430 prsns PM [b]	2 1.00 27% 15%	per person	860 860 (231) (94) 535
Hall of Fame <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Hall of Fame	580 [g]	0.0 ksf AM [i] 40.0 ksf PM	21.10 46% 15%	per ksf	844 (392) (68) 384
Hall of Fame Store <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Hall of Fame Store	826 [h]	0.0 ksf AM [i] 15.0 ksf PM	42.04 71% 15% 10%	per ksf	631 (447) (28) (16) 140
Other Retail (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [h]	0.0 ksf AM [i] 3.0 ksf PM	42.04 15% 15% 10%	per ksf	126 (19) (16) (9) 82
Other Retail (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [h]	0.0 ksf AM [i] 12.0 ksf PM	42.04 71% 15% 10%	per ksf	504 (356) (22) (13) 113
Quality Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Quality Restaurant	931	0.0 ksf AM [i] 6.0 ksf PM	94.36 55% 15% 10%	per ksf	566 (313) (38) (22) 193
High-Turnover Sit-Down Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External High-Turnover Rest.	932	0.0 ksf AM [i] 5.0 ksf PM	158.37 57% 15% 20%	per ksf	792 (453) (51) (58) 230
Fast Food Rest. (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	0.0 ksf AM [i] 1.5 ksf PM	696.00 15% 15% 50%	per ksf	1,044 (157) (133) (377) 377
Fast Food Rest. (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	0.0 ksf AM [i] 1.5 ksf PM	696.00 59% 15% 50%	per ksf	1,044 (611) (65) (184) 184
Office <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Office	710	25.0 ksf	2.46 30% 15%	per ksf	62 (19) (6) 37
PROJECT TOTAL					2,275

Notes:

- Source: Institute of Transportation Engineers (ITE), *Trip Generation, 9th Edition*, 2012, unless otherwise noted.
- Conference facility trip estimates assume 2 functions per day and an average vehicle occupancy (AVO) of 2.0 attendees per vehicle. Functions generating trips during the weekday AM peak hour will be limited to 320 attendees.
- Internal capture represents the percentage of trips between land uses that occur within the site. Estimated using internal capture rates from ITE *Trip Generation Handbook, 3rd Edition*, 2014, Tables 6.1 and 6.2, balanced to the constrained end of the internal trip. Considers internalization between the various Project uses as well as between the Project and the California Science Center.
- LADOT's *Traffic Study Policies and Procedures*, August 2014, state that a 15% transit credit may be taken for projects within 1/4 mile of a transit station or rapid bus stop. The Expo Park/USC LRT station, the Harbor Transitway 37th St/USC station, and Metro Rapid 754 on Vermont individually are each beyond 1/4 mile but are each within 0.30 to 0.37 miles. Given the proximity of all three services, however, the combined effect of the three is considered to be 15%.
- Source for pass-by credits: Attachment I of LADOT's *Traffic Study Policies and Procedures*, August 2014.
- Internal capture for fast food restaurant and other retail possibly along the Figueroa Street frontage capped at 15% to reflect the potential that these uses attract a greater level of external trips given their location.
- No daily rate available from ITE for museum. Daily rate assumed to be 10 x PM peak hour rate.
- Specialty retail (ITE code 826) used for museum store and other retail (used midday rate from code 820 since no midday rate is available for code 8).
- The Hall of Fame, Hall of Fame Store, other retail, quality restaurants, high-turnover sit-down restaurants, and fast food restaurants will not open for business until mid- to late-morning and thus will generate negligible trips during the AM peak hour.

TABLE I-2.4
DAILY TRIP GENERATION ESTIMATE - ANCILLARY USES
LAFC PROGRAM ON A WEEKEND EVENT DAY (PROJECT SCENARIO)

Land Use	ITE Land Use Code	Size	Trip Generation Rates [a]		Daily Trips
			Daily Rate	Trip Rate Unit	
Conference Facilities Persons Gross vehicles <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Conference		10.0 ksf 430 prsns AM 430 prsns PM [b]	1 1.00 20% 15%	per person	430 430 (87) <u>(51)</u> 292
Hall of Fame <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Hall of Fame	580 [g]	40.0 ksf AM [i] 40.0 ksf PM	21.10 73% 15%	per ksf	844 (618) <u>(34)</u> 192
Hall of Fame Store <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Hall of Fame Store	826 [h]	15.0 ksf AM [i] 15.0 ksf PM	42.04 85% 15% 10%	per ksf	631 (539) (14) <u>(8)</u> 70
Other Retail (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [h]	3.0 ksf AM [i] 3.0 ksf PM	42.04 58% 15% 10%	per ksf	126 (72) (8) <u>(5)</u> 41
Other Retail (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Other Retail	826 [h]	12.0 ksf AM [i] 12.0 ksf PM	42.04 85% 15% 10%	per ksf	504 (430) (11) <u>(6)</u> 57
Quality Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Quality Restaurant	931	6.0 ksf AM [i] 6.0 ksf PM	94.36 78% 15% 10%	per ksf	566 (440) (19) <u>(11)</u> 96
High-Turnover Sit-Down Restaurant <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External High-Turnover Rest.	932	5.0 ksf AM [i] 5.0 ksf PM	158.37 79% 15% 20%	per ksf	792 (622) (26) <u>(29)</u> 115
Fast Food Rest. (fronting Figueroa) <i>Internal capture</i> [c,f] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	1.5 ksf AM [i] 1.5 ksf PM	696.00 58% 15% 50%	per ksf	1,044 (600) (67) <u>(189)</u> 188
Fast Food Rest. (not fronting Figueroa) <i>Internal capture</i> [c] <i>Transit credit</i> [d] <i>Pass-by from net trips</i> [e] Net External Fast Food	933	1.5 ksf AM [i] 1.5 ksf PM	696.00 79% 15% 50%	per ksf	1,044 (828) (32) <u>(92)</u> 92
Office <i>Internal capture</i> [c] <i>Transit credit</i> [d] Net External Office	710	25.0 ksf	2.46 73% 15%	per ksf	62 (45) <u>(3)</u> 14
PROJECT TOTAL					1,157

Notes:

- Source: Institute of Transportation Engineers (ITE), *Trip Generation, 9th Edition*, 2012, unless otherwise noted.
- Conference facility trip estimates assume 1 independent function per day on days with an event in the stadium and an average vehicle occupancy (AVO) of 2.0 attendees per vehicle. Functions generating trips during the weekday AM peak hour will be limited to 320 attendees.
- Internal capture represents the percentage of trips between land uses that occur within the site. Estimated using internal capture rates from ITE *Trip Generation Handbook, 3rd Edition*, 2014, Tables 6.1 and 6.2, balanced to the constrained end of the internal trip. Considers internalization between the various Project uses as well as between the Project and the California Science Center. Internal capture for ancillary uses is 100% when events are occurring in the stadium.
- LADOT's *Traffic Study Policies and Procedures*, August 2014, state that a 15% transit credit may be taken for projects within 1/4 mile of a transit station or rapid bus stop. The Expo Park/USC LRT station, the Harbor Transitway 37th St/USC station, and Metro Rapid 754 on Vermont individually are each beyond 1/4 mile but are each within 0.30 to 0.37 miles. Given the proximity of all three services, however, the combined effect of the three is considered to be 15%.
- Source for pass-by credits: Attachment I of LADOT's *Traffic Study Policies and Procedures*, August 2014.
- Internal capture for fast food restaurant and other retail possibly along the Figueroa Street frontage capped at 15% during non-event periods to reflect the potential that these uses attract a greater level of external trips given their location.
- No daily rate available from ITE for museum. Daily rate assumed to be 10 x PM peak hour rate.
- Specialty retail (ITE code 826) used for museum store and other retail (used midday rate from code 820 since no midday rate is available for cc
- The Hall of Fame, Hall of Fame Store, other retail, quality restaurants, high-turnover sit-down restaurants, and fast food restaurants will not open for business until mid- to late-morning and thus will generate negligible trips during the AM peak hour.

TABLE I-3
SUMMARY OF ESTIMATED DAILY TRIP GENERATION
PROJECT SCENARIO, 22,000-PERSON EVENT

Weekday Non-Event Day		
Land Use	Size	Estimated Daily Trips
Stadium (patrons)	0 seats	0
Stadium (employees)	0 emp.	0
Conference Facilities	10.0 ksf	513
Museum	40.0 ksf	94
Team Store	15.0 ksf	161
Other Retail (fronting Figueroa)	3.0 ksf	86
Other Retail (not fronting Figueroa)	12.0 ksf	135
Quality Restaurant	6.0 ksf	235
High-Turnover Sit-Down Restaurant	5.0 ksf	246
Fast Food Rest. (fronting Figueroa)	1.5 ksf	388
Fast Food Rest. (not fronting Figueroa)	1.5 ksf	259
Office	25.0 ksf	207
PROJECT NET TRIPS		2,324

Weekend Non-Event Day		
Land Use	Size	Estimated Daily Trips
Stadium (patrons)	0 seats	0
Stadium (employees)	0 emp.	0
Conference Facilities	10.0 ksf	535
Museum	40.0 ksf	384
Team Store	15.0 ksf	140
Other Retail (fronting Figueroa)	3.0 ksf	82
Other Retail (not fronting Figueroa)	12.0 ksf	113
Quality Restaurant	6.0 ksf	193
High-Turnover Sit-Down Restaurant	5.0 ksf	230
Fast Food Rest. (fronting Figueroa)	1.5 ksf	377
Fast Food Rest. (not fronting Figueroa)	1.5 ksf	184
Office	25.0 ksf	37
PROJECT NET TRIPS		2,275

Weekday Event Day		
Land Use	Size	Estimated Daily Trips
Stadium (patrons)	22,000 seats	13,884
Stadium (employees)	1,260 emp.	1,394
Conference Facilities	10.0 ksf	196
Museum	40.0 ksf	47
Team Store	15.0 ksf	80
Other Retail (fronting Figueroa)	3.0 ksf	43
Other Retail (not fronting Figueroa)	12.0 ksf	68
Quality Restaurant	6.0 ksf	117
High-Turnover Sit-Down Restaurant	5.0 ksf	123
Fast Food Rest. (fronting Figueroa)	1.5 ksf	194
Fast Food Rest. (not fronting Figueroa)	1.5 ksf	129
Office	25.0 ksf	96
PROJECT NET TRIPS		16,371

Weekend Event Day		
Land Use	Size	Estimated Daily Trips
Stadium (patrons)	22,000 seats	12,502
Stadium (employees)	1,260 emp.	1,394
Conference Facilities	10.0 ksf	292
Museum	40.0 ksf	192
Team Store	15.0 ksf	70
Other Retail (fronting Figueroa)	3.0 ksf	41
Other Retail (not fronting Figueroa)	12.0 ksf	57
Quality Restaurant	6.0 ksf	96
High-Turnover Sit-Down Restaurant	5.0 ksf	115
Fast Food Rest. (fronting Figueroa)	1.5 ksf	188
Fast Food Rest. (not fronting Figueroa)	1.5 ksf	92
Office	12.0 ksf	14
PROJECT NET TRIPS		15,053

TABLE I-4.1
DAILY VEHICLE MILES TRAVELED ESTIMATION: WEEKDAY NON-EVENT DAY
PROJECT SCENARIO, 22,000-PERSON EVENT

DAILY TRIP GENERATION BY TRIP TYPE

Land Use	Size	Daily Trips	Trip Productions						Trip Attractions					
			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type		
			Home Based	Home Based	Non-Home	Home Based	Home Based	Non-Home	Home Based	Home Based	Non-Home	Home Based	Home Based	Non-Home
			Work (HBW)	Other (HBO)	Based (NHB)	Work (HBW)	Other (HBO)	Based (NHB)	Work (HBW)	Other (HBO)	Based (NHB)	Work (HBW)	Other (HBO)	Based (NHB)
Stadium (patrons)	0 seats	0	0%	0%	10%	0	0	0	0%	80%	10%	0	0	0
Stadium (employees)	0 emp.	0	0%	0%	10%	0	0	0	80%	0%	10%	0	0	0
Conference Facilities	10,000 sf	513	0%	0%	15%	0	0	77	10%	60%	15%	51	308	77
Museum	40,000 sf	94	0%	0%	15%	0	0	14	10%	60%	15%	9	56	14
Team Store	15,000 sf	161	0%	0%	15%	0	0	24	10%	60%	15%	16	97	24
Other Retail (fronting Figueroa)	3,000 sf	86	0%	0%	15%	0	0	13	10%	60%	15%	9	52	13
Other Retail (not fronting Figueroa)	12,000 sf	135	0%	0%	15%	0	0	20	10%	60%	15%	14	81	20
Quality Restaurant	6,000 sf	235	0%	0%	15%	0	0	35	10%	60%	15%	24	141	35
High-Turnover Sit-Down Restaurant	5,000 sf	246	0%	0%	15%	0	0	37	10%	60%	15%	25	148	37
Fast Food Rest. (fronting Figueroa)	1,500 sf	388	0%	0%	15%	0	0	58	10%	60%	15%	39	233	58
Fast Food Rest. (not fronting Figueroa)	1,500 sf	259	0%	0%	15%	0	0	39	10%	60%	15%	26	155	39
Office	25,000 sf	207	0%	0%	15%	0	0	31	35%	35%	15%	72	72	31
Total		2,324				0	0	349				284	1,343	349

[1] Source: National Cooperative Highway Research Program Report 365 for all uses except stadium. Stadium estimated.

ESTIMATED DAILY VEHICLE MILES TRAVELED

Land Use	Productions			Attractions			Total
	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	
Stadium (patrons)	0	0	0	0	0	0	0
Stadium (employees)	0	0	0	0	0	0	0
Conference Facilities	0	0	380	680	2,150	460	3,670
Museum	0	0	70	120	390	80	660
Team Store	0	0	120	210	680	140	1,150
Other Retail (fronting Figueroa)	0	0	60	110	360	80	610
Other Retail (not fronting Figueroa)	0	0	100	180	570	120	970
Quality Restaurant	0	0	180	310	990	210	1,690
High-Turnover Sit-Down Restaurant	0	0	180	320	1,030	220	1,750
Fast Food Rest. (fronting Figueroa)	0	0	290	510	1,630	350	2,780
Fast Food Rest. (not fronting Figueroa)	0	0	190	340	1,090	230	1,850
Office	0	0	160	960	510	190	1,820
Total	0	0	1,730	3,740	9,400	2,080	16,950

AVERAGE TRIP LENGTHS BY TRIP TYPE

Trip Type	Average Trip Length (miles)	
	Productions	Attractions
Home Based Work	10.7	13.2
Home Based Other	5.3	7.0
Non-Home Based	5.0	6.0
Stadium Patrons	n/a	20.7

[2] Source: Calculated by Fehr & Peers for South Los Angeles Community Plan Area from Southern California Association of Governments' (SCAG's) 2012 Regional Transportation Plan model.

[3] Source: Calculated by Fehr & Peers from data regarding potential distribution of pro soccer fans within the Los Angeles area.

TABLE I-4.2
DAILY VEHICLE MILES TRAVELED ESTIMATION: WEEKDAY EVENT DAY
PROJECT SCENARIO, 22,000-PERSON EVENT

DAILY TRIP GENERATION BY TRIP TYPE

Land Use	Size	Daily Trips	Trip Productions						Trip Attractions					
			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type		
			Home Based	Home Based	Non-Home	Home Based	Home Based	Non-Home	Home Based	Home Based	Non-Home	Home Based	Home Based	Non-Home
			Work (HBW)	Other (HBO)	Based (NHB)	Work (HBW)	Other (HBO)	Based (NHB)	Work (HBW)	Other (HBO)	Based (NHB)	Work (HBW)	Other (HBO)	Based (NHB)
Stadium (patrons)	22,000 seats	13,884	0%	0%	10%	0	0	1,388	0%	80%	10%	0	11,107	1,388
Stadium (employees)	1,260 emp.	1,394	0%	0%	10%	0	0	139	80%	0%	10%	1,115	0	139
Conference Facilities	10,000 sf	196	0%	0%	15%	0	0	29	10%	60%	15%	20	118	29
Museum	40,000 sf	47	0%	0%	15%	0	0	7	10%	60%	15%	5	28	7
Team Store	15,000 sf	80	0%	0%	15%	0	0	12	10%	60%	15%	8	48	12
Other Retail (fronting Figueroa)	3,000 sf	43	0%	0%	15%	0	0	6	10%	60%	15%	4	26	6
Other Retail (not fronting Figueroa)	12,000 sf	68	0%	0%	15%	0	0	10	10%	60%	15%	7	41	10
Quality Restaurant	6,000 sf	117	0%	0%	15%	0	0	18	10%	60%	15%	12	70	18
High-Turnover Sit-Down Restaurant	5,000 sf	123	0%	0%	15%	0	0	18	10%	60%	15%	12	74	18
Fast Food Rest. (fronting Figueroa)	1,500 sf	194	0%	0%	15%	0	0	29	10%	60%	15%	19	116	29
Fast Food Rest. (not fronting Figueroa)	1,500 sf	129	0%	0%	15%	0	0	19	10%	60%	15%	13	77	19
Office	25,000 sf	96	0%	0%	15%	0	0	14	35%	35%	15%	34	34	14
Total		16,371				0	0	1,692				1,249	11,739	1,692

[1] Source: National Cooperative Highway Research Program Report 365 for all uses except stadium. Stadium estimated.

ESTIMATED DAILY VEHICLE MILES TRAVELED

Land Use	Productions			Attractions			Total
	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	
Stadium (patrons)	0	0	6,940	0	229,920	8,330	245,190
Stadium (employees)	0	0	700	14,720	0	840	16,260
Conference Facilities	0	0	150	260	820	180	1,410
Museum	0	0	40	60	200	40	340
Team Store	0	0	60	110	340	70	580
Other Retail (fronting Figueroa)	0	0	30	60	180	40	310
Other Retail (not fronting Figueroa)	0	0	50	90	290	60	490
Quality Restaurant	0	0	90	150	490	110	840
High-Turnover Sit-Down Restaurant	0	0	90	160	520	110	880
Fast Food Rest. (fronting Figueroa)	0	0	150	260	810	170	1,390
Fast Food Rest. (not fronting Figueroa)	0	0	100	170	540	120	930
Office	0	0	70	440	240	90	840
Total	0	0	8,470	16,480	234,350	10,160	269,460

AVERAGE TRIP LENGTHS BY TRIP TYPE

Trip Type	Average Trip Length (miles)	
	Productions	Attractions
Home Based Work	10.7	13.2
Home Based Other	5.3	7.0
Non-Home Based	5.0	6.0
Stadium Patrons	n/a	20.7

[2] Source: Calculated by Fehr & Peers for South Los Angeles Community Plan Area from Southern California Association of Governments' (SCAG's) 2012 Regional Transportation Plan model.

[3] Source: Calculated by Fehr & Peers from data regarding potential distribution of pro soccer fans within the Los Angeles area.

TABLE I-4.3
DAILY VEHICLE MILES TRAVELED ESTIMATION: WEEKEND NON-EVENT DAY
PROJECT SCENARIO, 22,000-PERSON EVENT

DAILY TRIP GENERATION BY TRIP TYPE

Land Use	Size	Daily Trips	Trip Productions						Trip Attractions					
			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type		
			Home Based	Home Based	Non-Home	Home Based	Home Based	Non-Home	Home Based	Home Based	Non-Home	Home Based	Home Based	Non-Home
			Work (HBW)	Other (HBO)	Based (NHB)	Work (HBW)	Other (HBO)	Based (NHB)	Work (HBW)	Other (HBO)	Based (NHB)	Work (HBW)	Other (HBO)	Based (NHB)
Stadium (patrons)	0 seats	0	0%	0%	10%	0	0	0	0%	80%	10%	0	0	0
Stadium (employees)	0 emp.	0	0%	0%	10%	0	0	0	80%	0%	10%	0	0	0
Conference Facilities	10,000 sf	535	0%	0%	15%	0	0	80	10%	60%	15%	54	321	80
Museum	40,000 sf	384	0%	0%	15%	0	0	58	10%	60%	15%	38	230	58
Team Store	15,000 sf	140	0%	0%	15%	0	0	21	10%	60%	15%	14	84	21
Other Retail (fronting Figueroa)	3,000 sf	82	0%	0%	15%	0	0	12	10%	60%	15%	8	49	12
Other Retail (not fronting Figueroa)	12,000 sf	113	0%	0%	15%	0	0	17	10%	60%	15%	11	68	17
Quality Restaurant	6,000 sf	193	0%	0%	15%	0	0	29	10%	60%	15%	19	116	29
High-Turnover Sit-Down Restaurant	5,000 sf	230	0%	0%	15%	0	0	35	10%	60%	15%	23	138	35
Fast Food Rest. (fronting Figueroa)	1,500 sf	377	0%	0%	15%	0	0	57	10%	60%	15%	38	226	57
Fast Food Rest. (not fronting Figueroa)	1,500 sf	184	0%	0%	15%	0	0	28	10%	60%	15%	18	110	28
Office	25,000 sf	37	0%	0%	15%	0	0	6	35%	35%	15%	13	13	6
Total		2,275				0	0	341				237	1,356	341

[1] Source: National Cooperative Highway Research Program Report 365 for all uses except stadium. Stadium estimated.

ESTIMATED DAILY VEHICLE MILES TRAVELED

Land Use	Productions			Attractions			Total
	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	
Stadium (patrons)	0	0	0	0	0	0	0
Stadium (employees)	0	0	0	0	0	0	0
Conference Facilities	0	0	400	710	2,250	480	3,840
Museum	0	0	290	510	1,610	350	2,760
Team Store	0	0	110	180	590	130	1,010
Other Retail (fronting Figueroa)	0	0	60	110	340	70	580
Other Retail (not fronting Figueroa)	0	0	80	150	470	100	800
Quality Restaurant	0	0	140	250	810	170	1,370
High-Turnover Sit-Down Restaurant	0	0	170	300	970	210	1,650
Fast Food Rest. (fronting Figueroa)	0	0	280	500	1,580	340	2,700
Fast Food Rest. (not fronting Figueroa)	0	0	140	240	770	170	1,320
Office	0	0	30	170	90	30	320
Total	0	0	1,700	3,120	9,480	2,050	16,350

AVERAGE TRIP LENGTHS BY TRIP TYPE

Trip Type	Average Trip Length (miles)	
	Productions	Attractions
Home Based Work	10.7	13.2
Home Based Other	5.3	7.0
Non-Home Based	5.0	6.0
Stadium Patrons	n/a	20.7

[2] Source: Calculated by Fehr & Peers for South Los Angeles Community Plan Area from Southern California Association of Governments' (SCAG's) 2012 Regional Transportation Plan model.

[3] Source: Calculated by Fehr & Peers from data regarding potential distribution of pro soccer fans within the Los Angeles area.

TABLE I-4.4
DAILY VEHICLE MILES TRAVELED ESTIMATION: WEEKEND EVENT DAY
PROJECT SCENARIO, 22,000-PERSON EVENT

DAILY TRIP GENERATION BY TRIP TYPE

Land Use	Size	Daily Trips	Trip Productions						Trip Attractions					
			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type			Percent Distribution by Trip Type ^[1]			Daily Trips by Trip Type		
			Home Based	Home Based	Non-Home	Home Based	Home Based	Non-Home	Home Based	Home Based	Non-Home	Home Based	Home Based	Non-Home
			Work (HBW)	Other (HBO)	Based (NHB)	Work (HBW)	Other (HBO)	Based (NHB)	Work (HBW)	Other (HBO)	Based (NHB)	Work (HBW)	Other (HBO)	Based (NHB)
Stadium (patrons)	22,000 seats	12,502	0%	0%	10%	0	0	1,250	0%	80%	10%	0	10,002	1,250
Stadium (employees)	1,260 emp.	1,394	0%	0%	10%	0	0	139	80%	0%	10%	1,115	0	139
Conference Facilities	10,000 sf	292	0%	0%	15%	0	0	44	10%	60%	15%	29	175	44
Museum	40,000 sf	192	0%	0%	15%	0	0	29	10%	60%	15%	19	115	29
Team Store	15,000 sf	70	0%	0%	15%	0	0	11	10%	60%	15%	7	42	11
Other Retail (fronting Figueroa)	3,000 sf	41	0%	0%	15%	0	0	6	10%	60%	15%	4	25	6
Other Retail (not fronting Figueroa)	12,000 sf	57	0%	0%	15%	0	0	9	10%	60%	15%	6	34	9
Quality Restaurant	6,000 sf	96	0%	0%	15%	0	0	14	10%	60%	15%	10	58	14
High-Turnover Sit-Down Restaurant	5,000 sf	115	0%	0%	15%	0	0	17	10%	60%	15%	12	69	17
Fast Food Rest. (fronting Figueroa)	1,500 sf	188	0%	0%	15%	0	0	28	10%	60%	15%	19	113	28
Fast Food Rest. (not fronting Figueroa)	1,500 sf	92	0%	0%	15%	0	0	14	10%	60%	15%	9	55	14
Office	25,000 sf	14	0%	0%	15%	0	0	2	35%	35%	15%	5	5	2
Total		15,053				0	0	1,563				1,234	10,692	1,563

[1] Source: National Cooperative Highway Research Program Report 365 for all uses except stadium. Stadium estimated.

ESTIMATED DAILY VEHICLE MILES TRAVELED

Land Use	Productions			Attractions			Total
	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	Home Based Work (HBW)	Home Based Other (HBO)	Non-Home Based (NHB)	
Stadium (patrons)	0	0	6,250	0	207,030	7,500	220,780
Stadium (employees)	0	0	700	14,720	0	840	16,260
Conference Facilities	0	0	220	390	1,230	260	2,100
Museum	0	0	140	250	810	170	1,370
Team Store	0	0	50	90	290	60	490
Other Retail (fronting Figueroa)	0	0	30	50	170	40	290
Other Retail (not fronting Figueroa)	0	0	40	80	240	50	410
Quality Restaurant	0	0	70	130	400	90	690
High-Turnover Sit-Down Restaurant	0	0	90	150	480	100	820
Fast Food Rest. (fronting Figueroa)	0	0	140	250	790	170	1,350
Fast Food Rest. (not fronting Figueroa)	0	0	70	120	390	80	660
Office	0	0	10	60	30	10	110
Total	0	0	7,810	16,290	211,860	9,370	245,330

AVERAGE TRIP LENGTHS BY TRIP TYPE

Trip Type	Average Trip Length (miles)	
	Productions	Attractions
Home Based Work	10.7	13.2
Home Based Other	5.3	7.0
Non-Home Based	5.0	6.0
Stadium Patrons	n/a	20.7

[2] Source: Calculated by Fehr & Peers for South Los Angeles Community Plan Area from Southern California Association of Governments' (SCAG's) 2012 Regional Transportation Plan model.

[3] Source: Calculated by Fehr & Peers from data regarding potential distribution of pro soccer fans within the Los Angeles area.